

Supporting Information, Part C

Small-Molecule Inhibitors of Protein Geranylgeranyltransferase Type I

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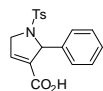
Contents

Spectral Data for Table 3	S74
Spectral Data for Table 4	S114
Spectral Data for Table 5	S124
Spectral Data for Table 9	S159
Spectral Data for Table 10	S168
Spectral Data for Table 11	S197

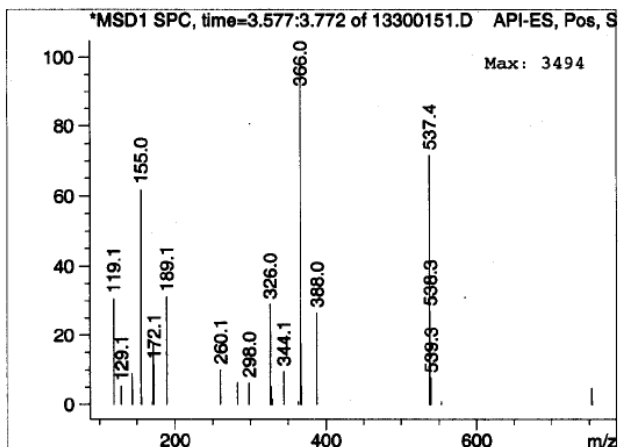
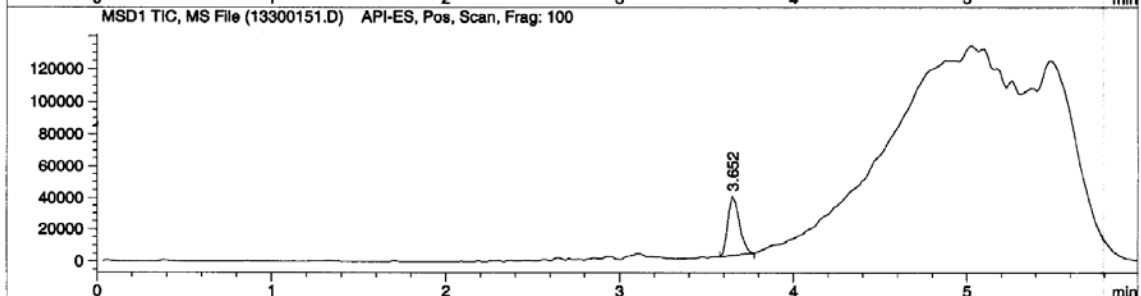
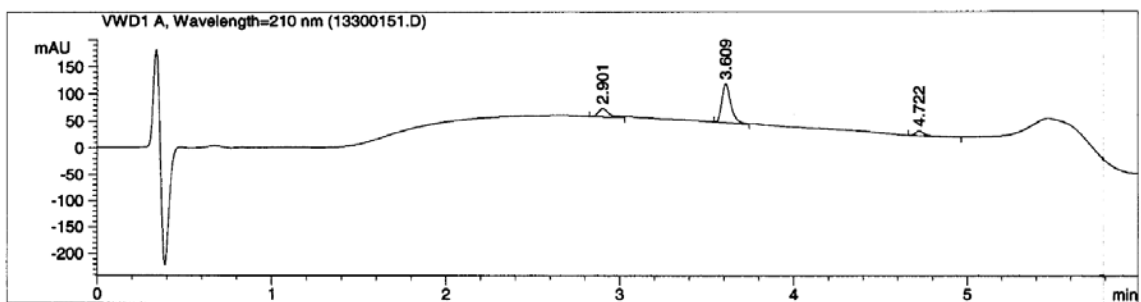
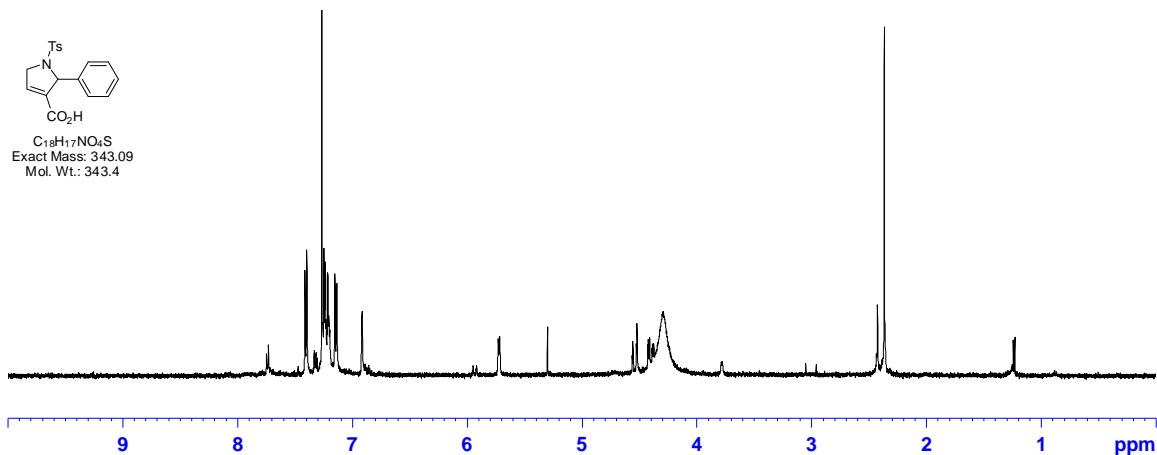
¹ Department of Microbiology, Immunology and Molecular Genetics

Spectral Data Table 3

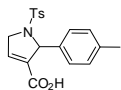
2-Phenyl-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C01)



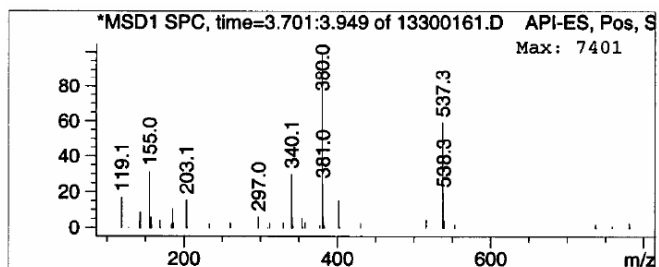
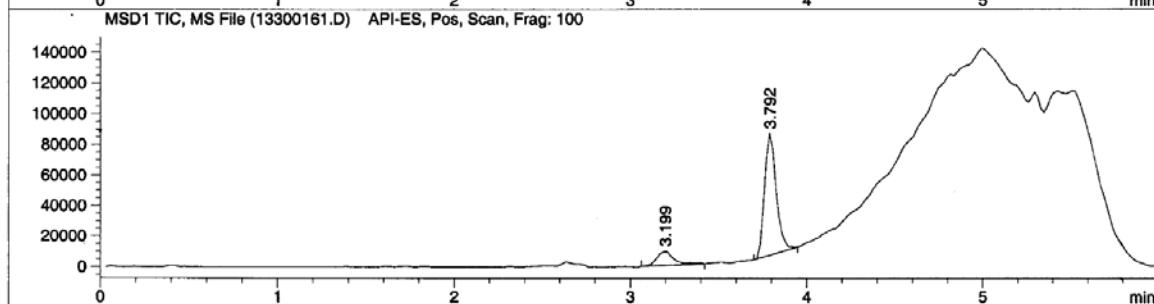
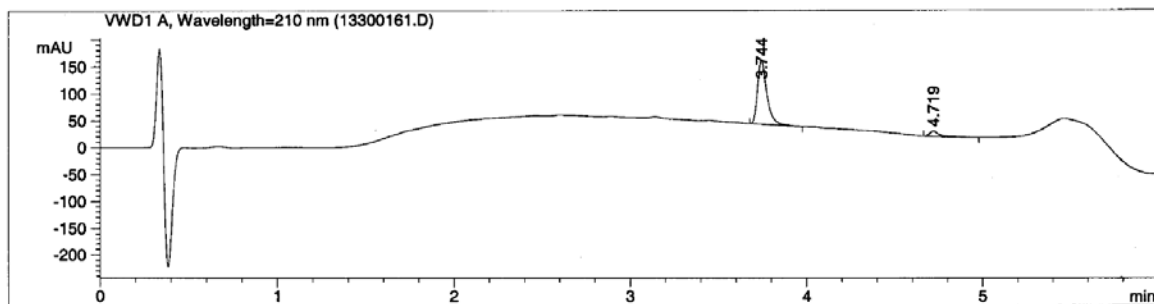
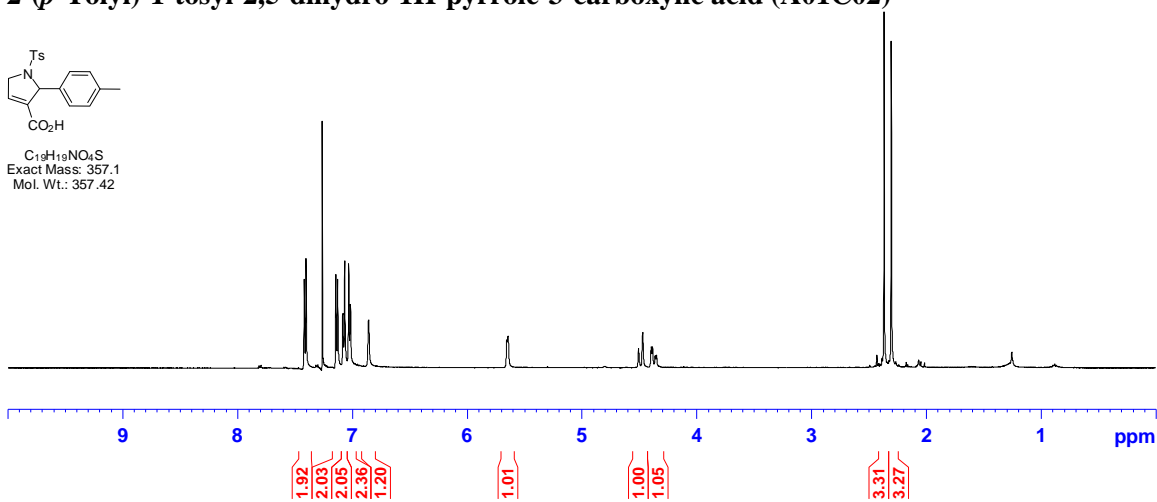
C₁₉H₁₇NO₄S
 Exact Mass: 343.09
 Mol. Wt.: 343.4



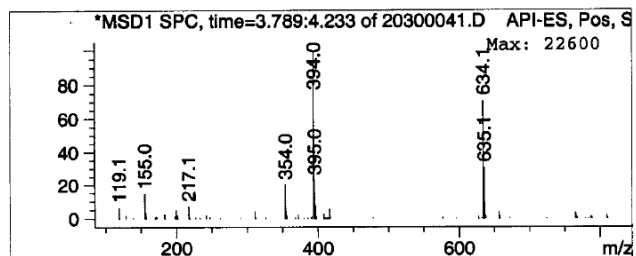
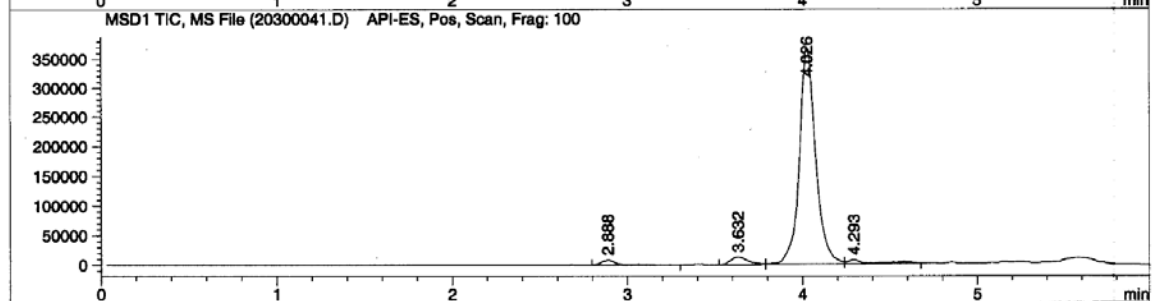
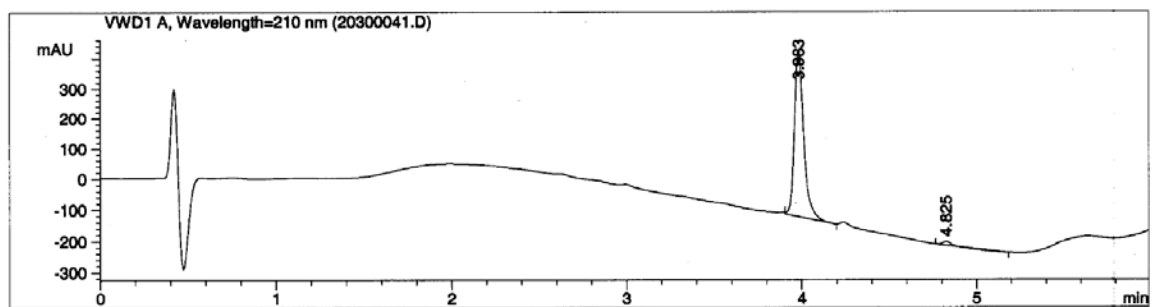
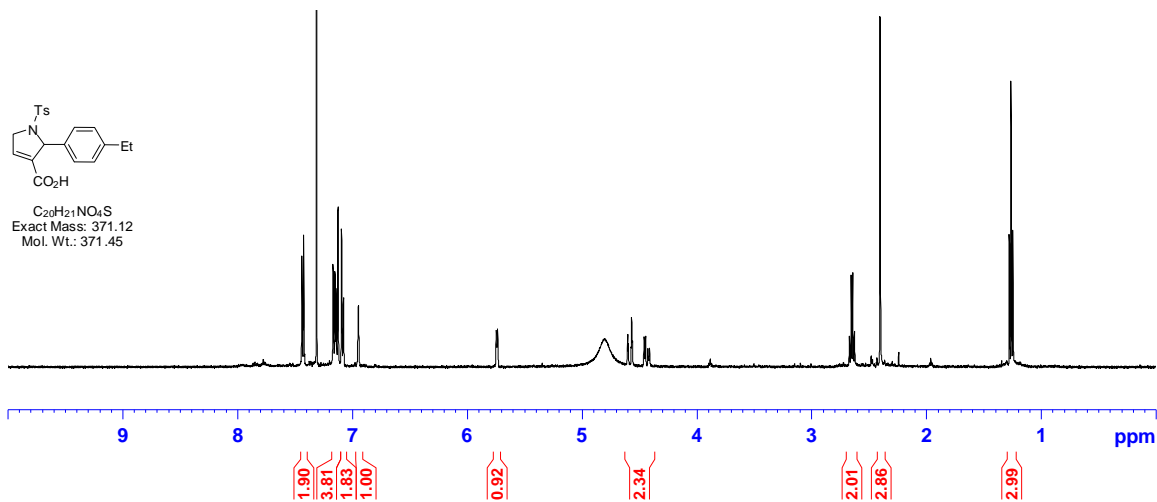
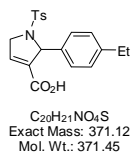
2-(p-Tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C02)



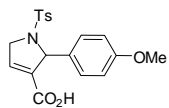
C₁₉H₁₉NO₄S
 Exact Mass: 357.1
 Mol. Wt.: 357.42



2-(4-Ethylphenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C03)

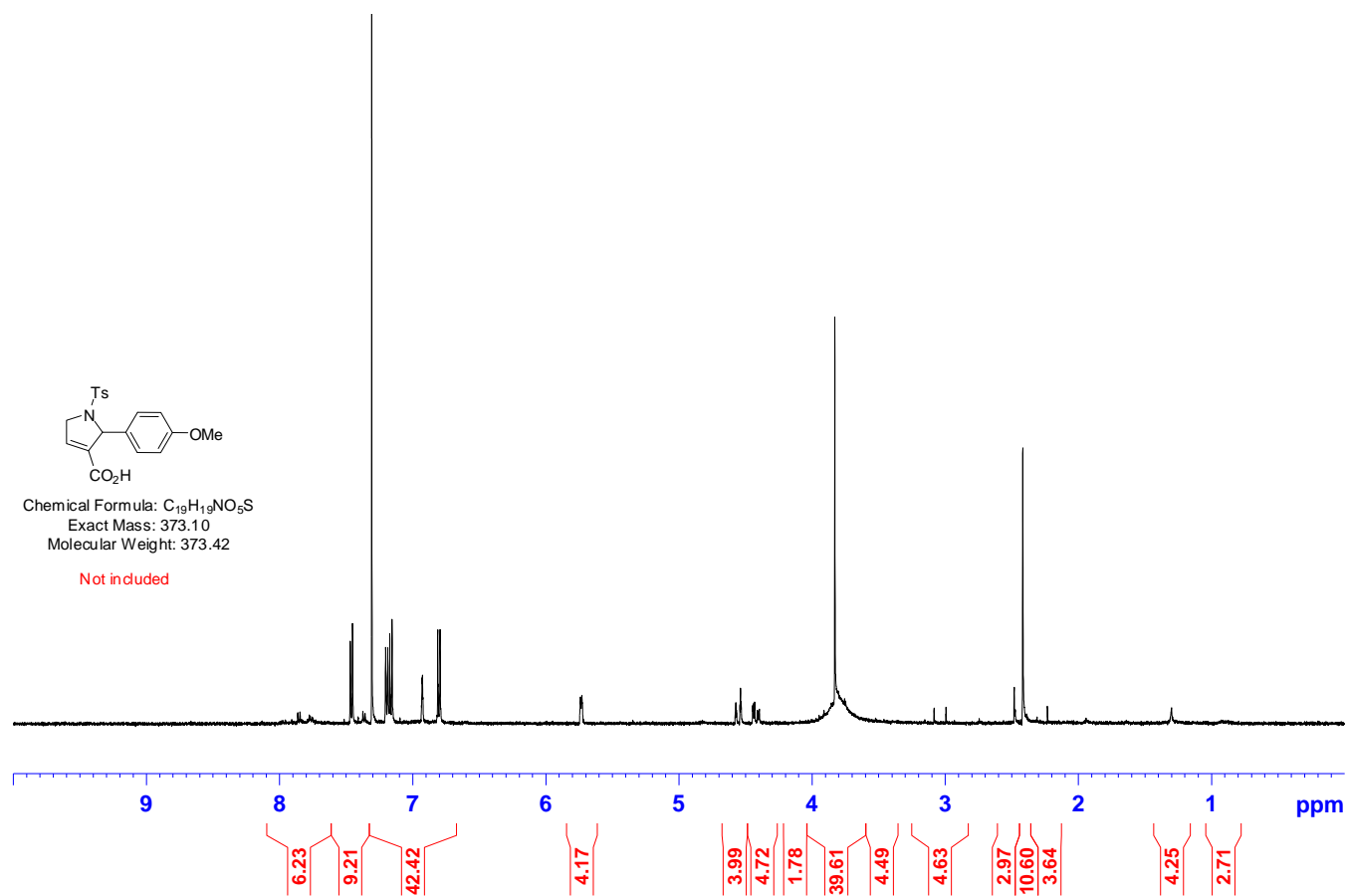


2-(4-Methoxyphenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C04)

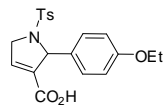


Chemical Formula: C₁₉H₁₉NO₅S
Exact Mass: 373.10
Molecular Weight: 373.42

Not included



2-(4-Ethoxyphenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C05)

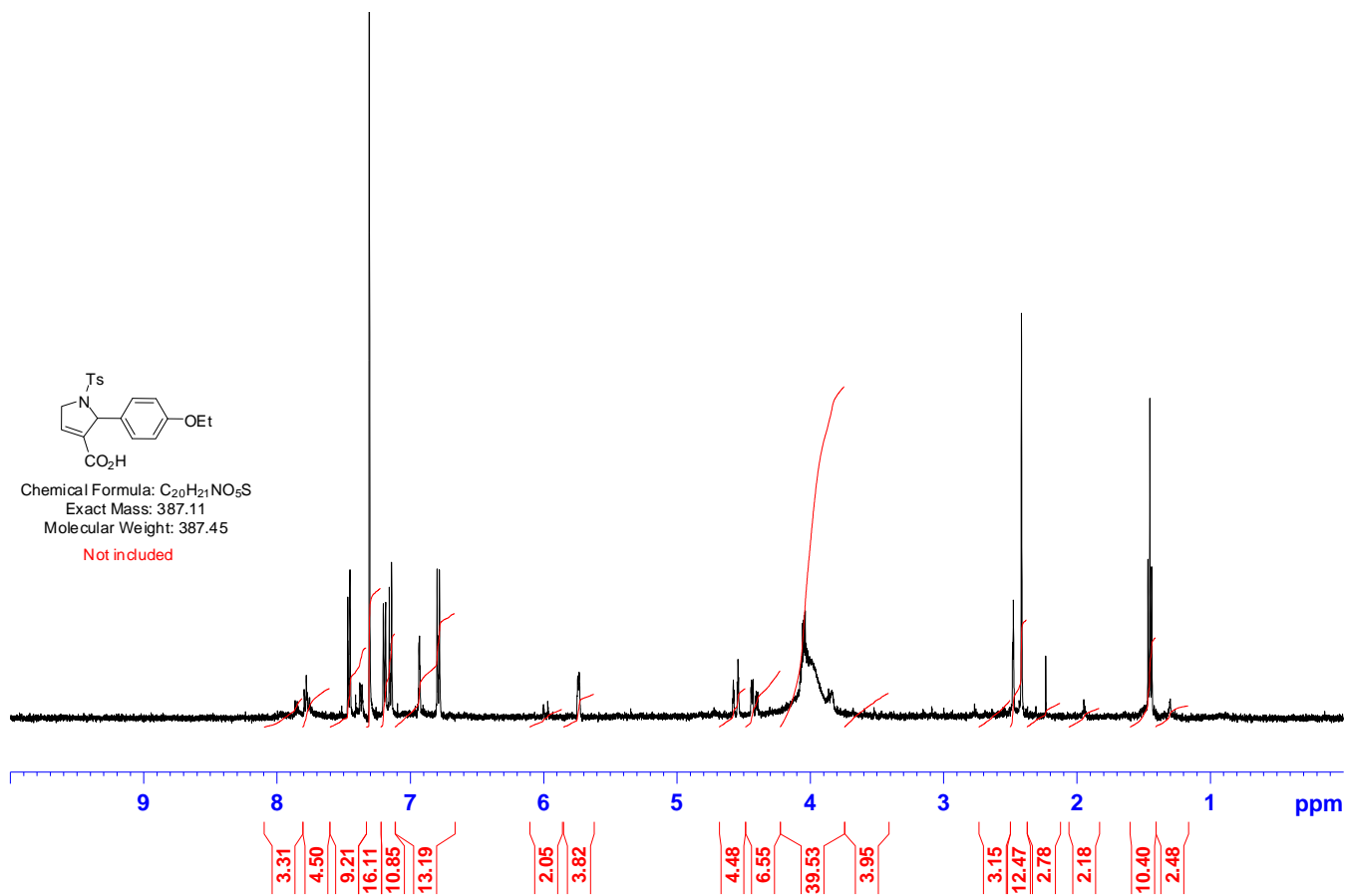


Chemical Formula: C₂₀H₂₁NO₅S

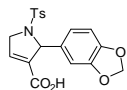
Exact Mass: 387.11

Molecular Weight: 387.45

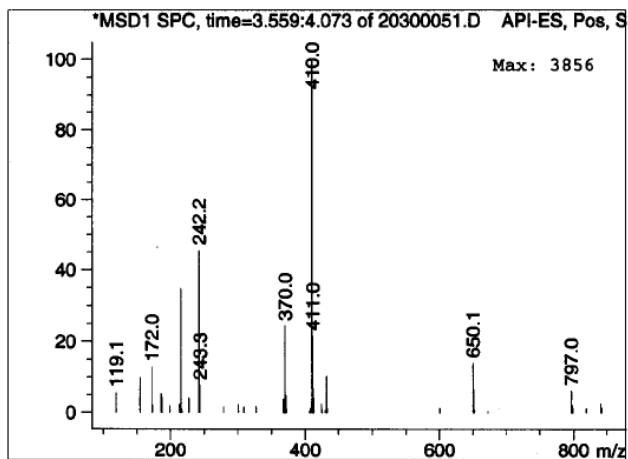
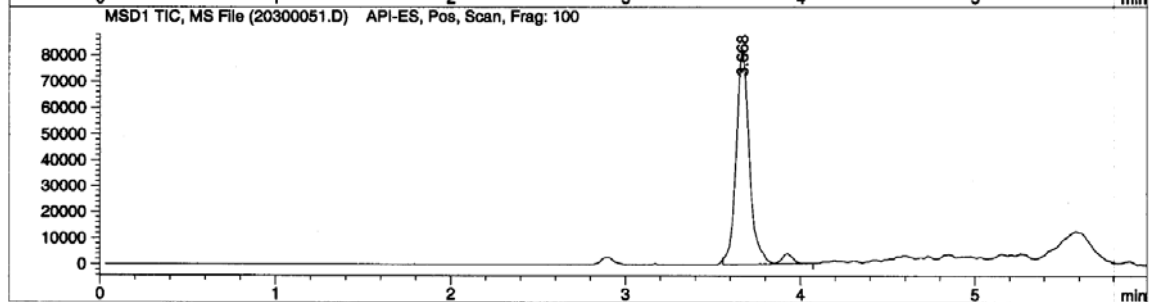
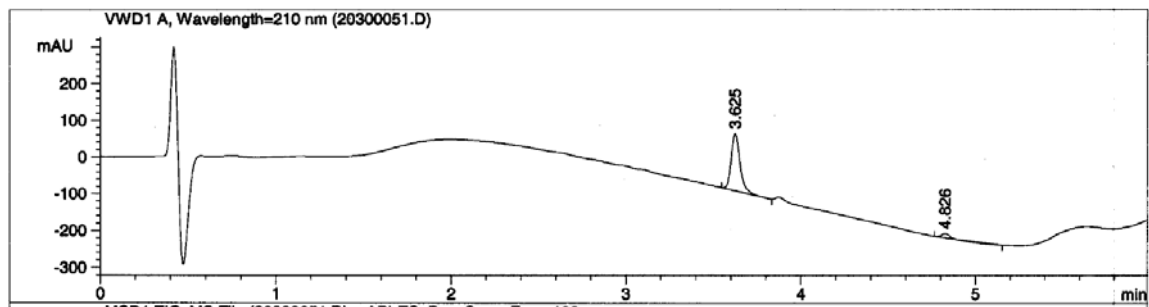
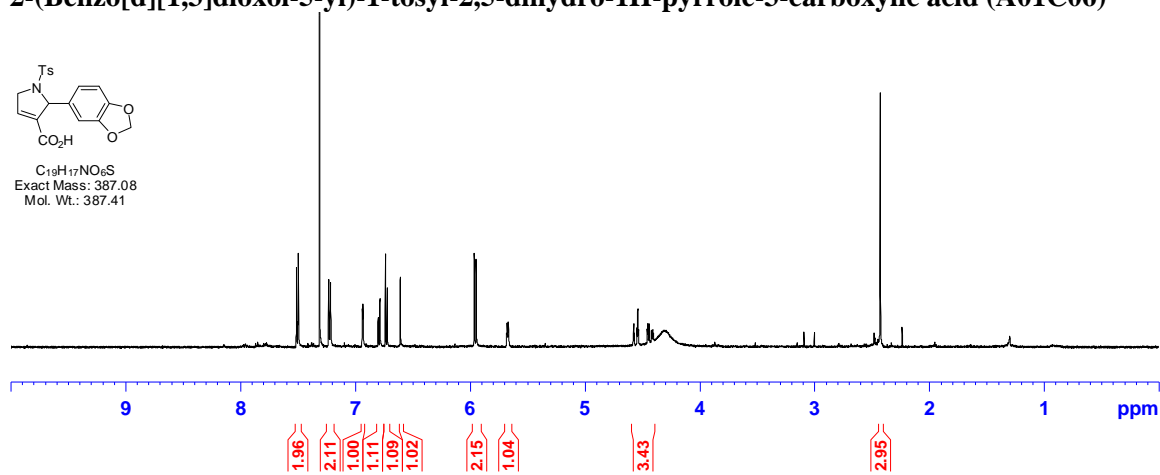
Not included



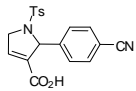
2-(Benzo[d][1,3]dioxol-5-yl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C06)



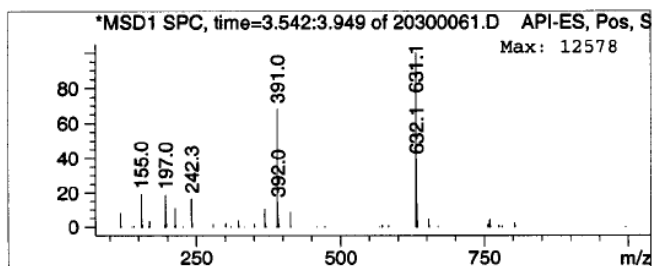
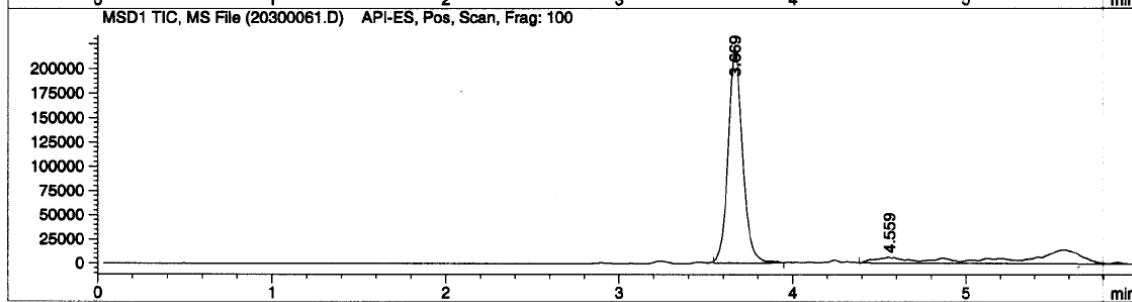
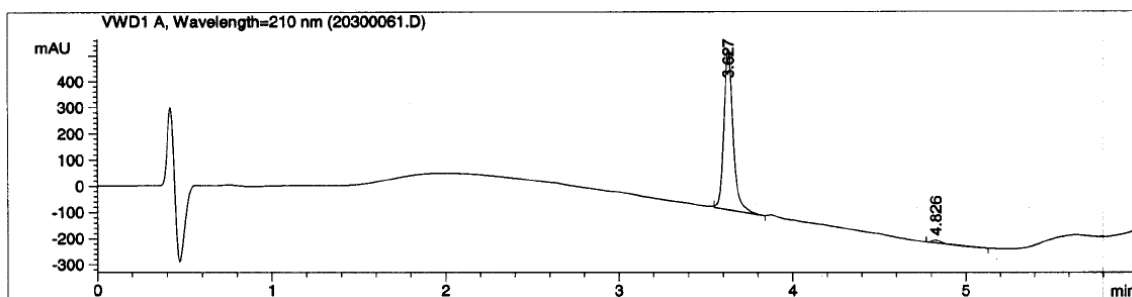
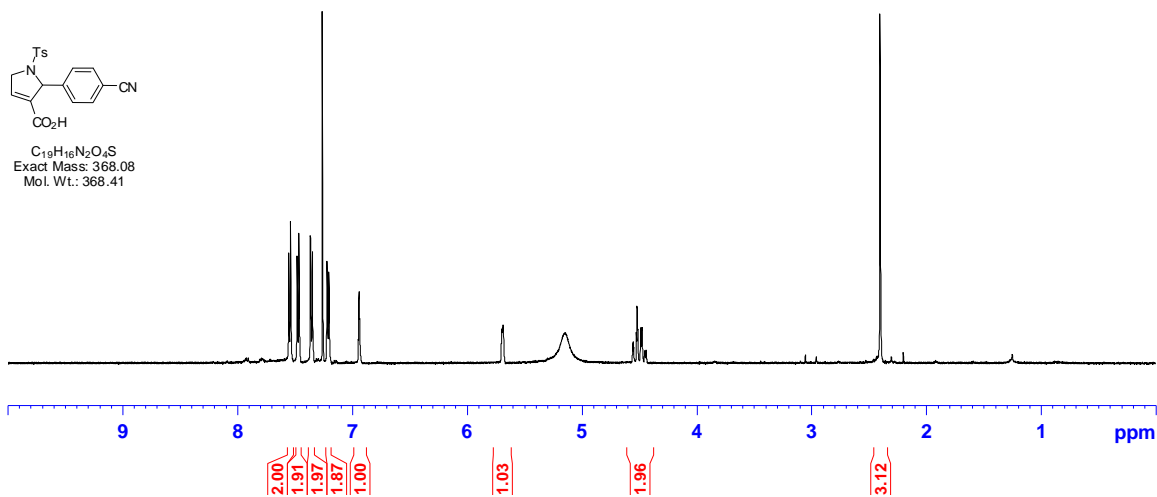
C₁₈H₁₇NO₆S
 Exact Mass: 387.08
 Mol. Wt.: 387.41



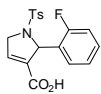
2-(4-Cyanophenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C09)



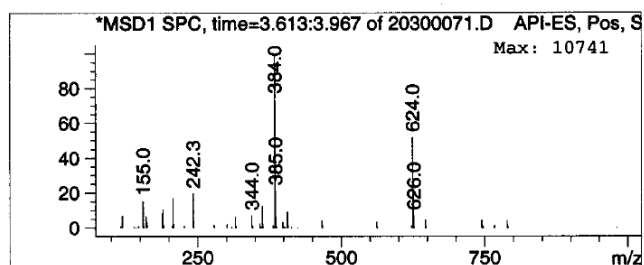
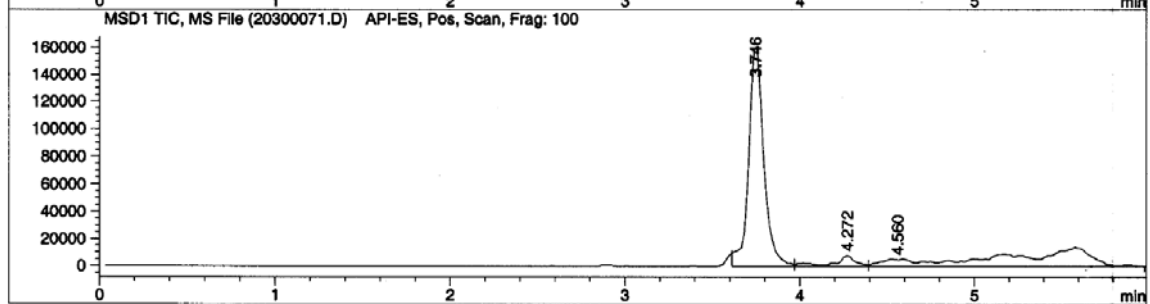
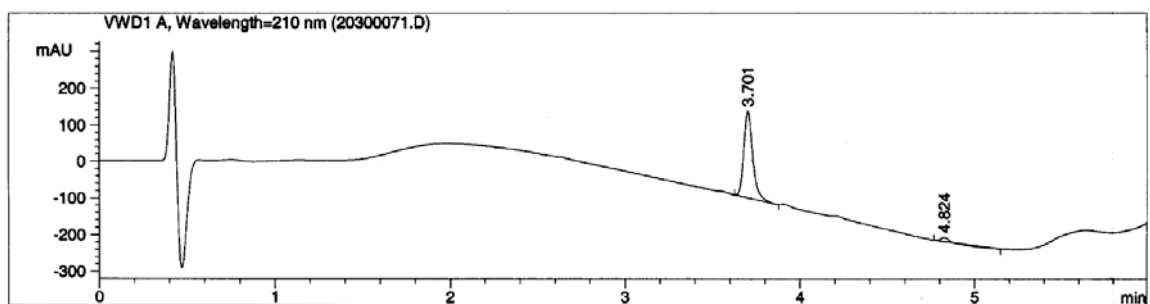
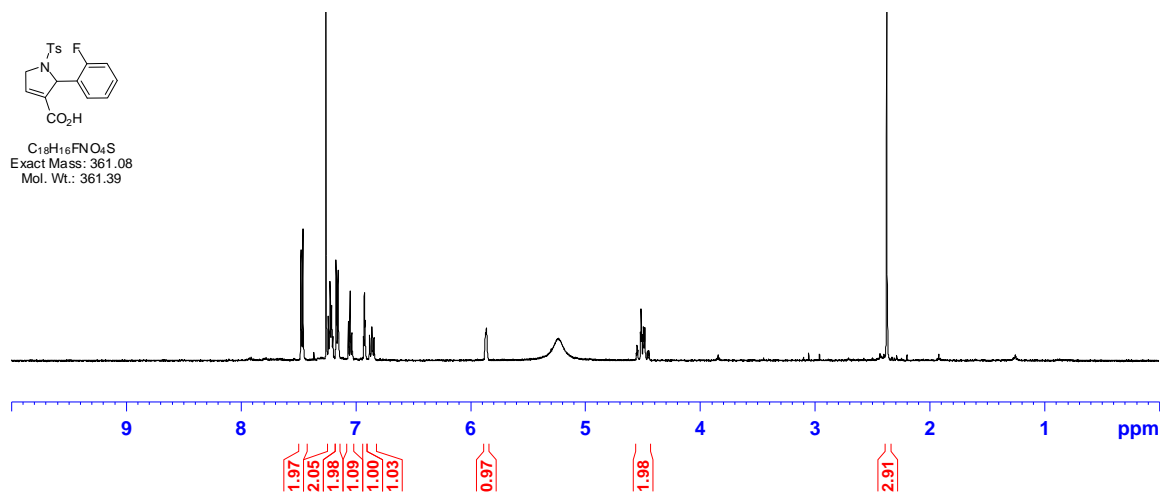
C₁₉H₁₆N₂O₄S
 Exact Mass: 368.08
 Mol. Wt.: 368.41



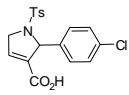
2-(2-Fluorophenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C10)



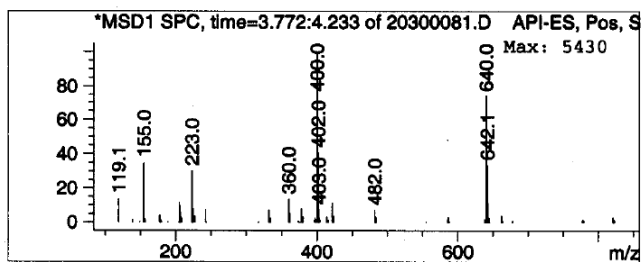
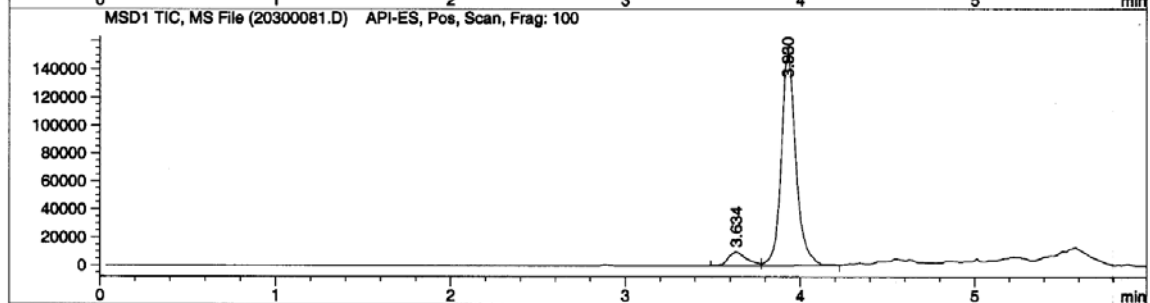
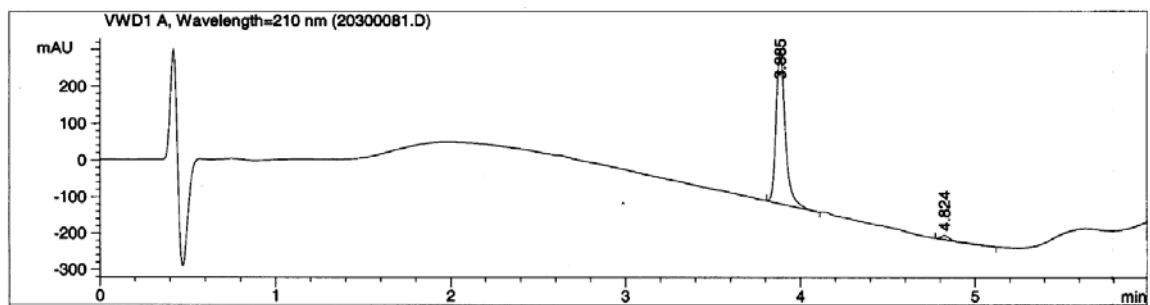
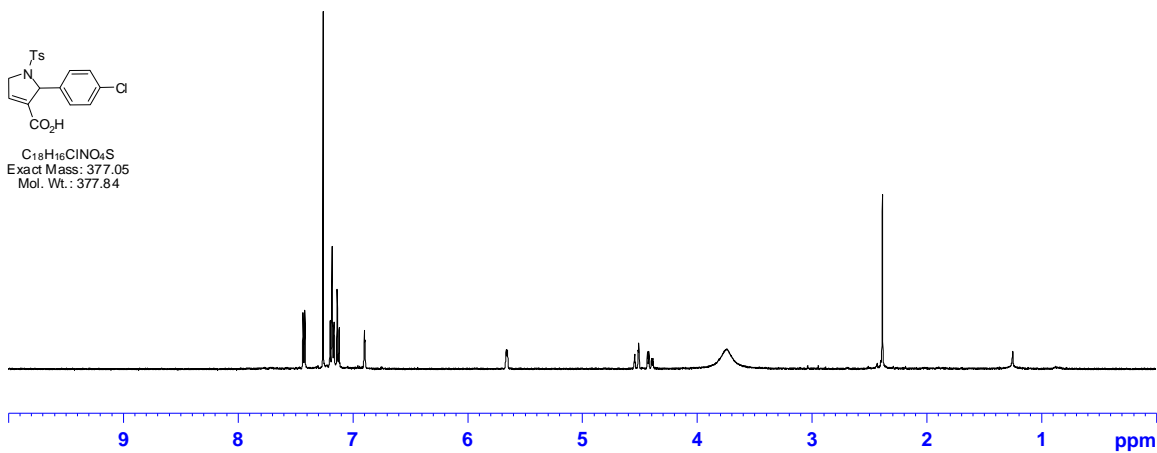
C₁₈H₁₆FN₂O₄S
Exact Mass: 361.08
Mol. Wt.: 361.39



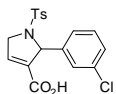
2-(4-Chlorophenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C11)



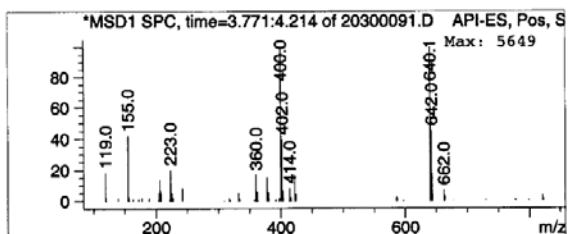
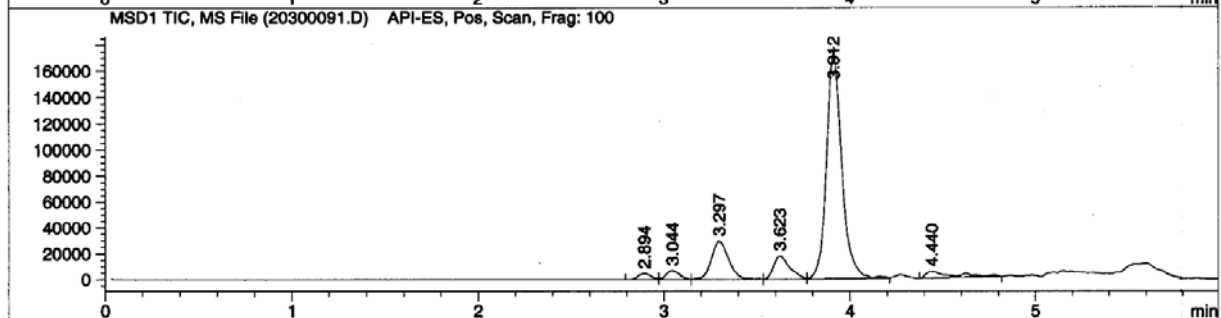
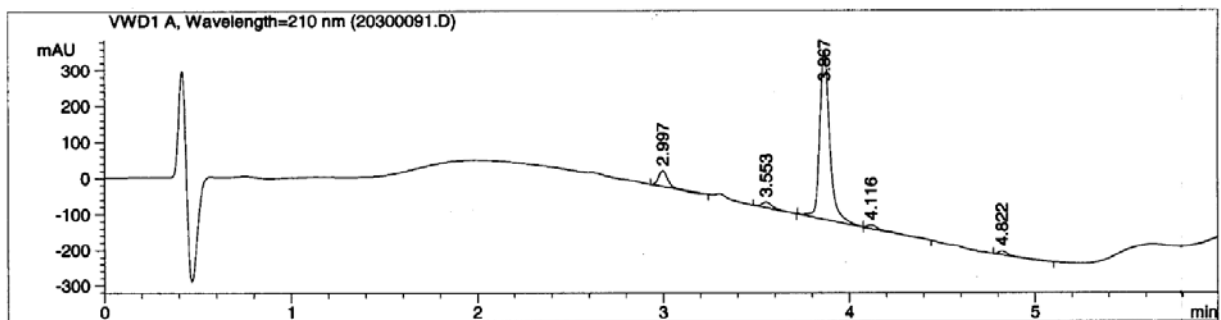
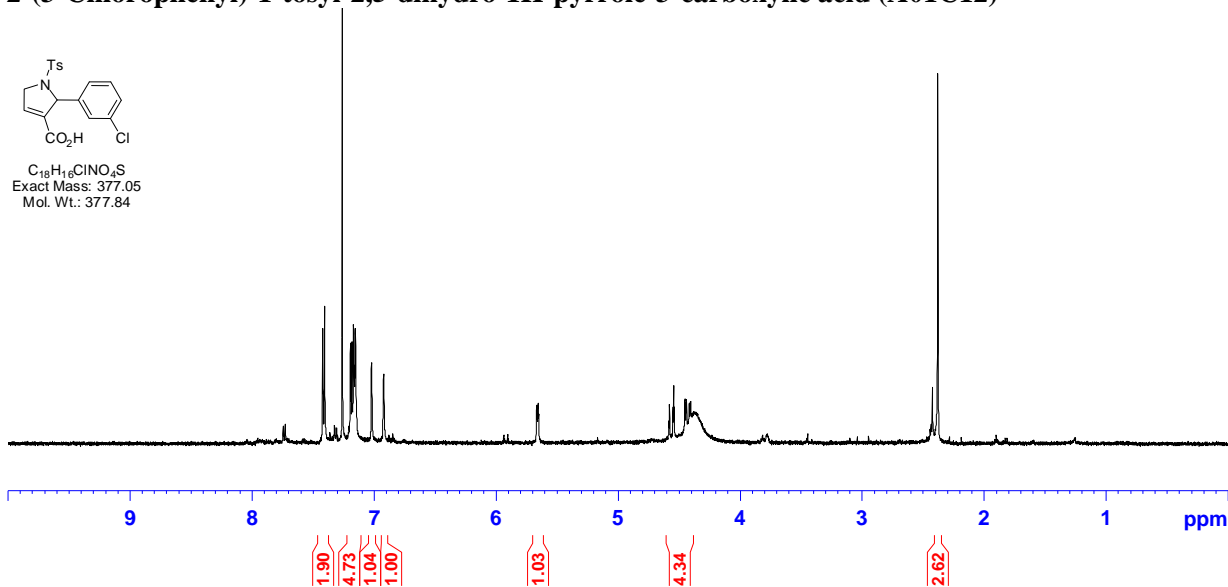
C₁₈H₁₆ClNO₄S
Exact Mass: 377.05
Mol. Wt.: 377.84



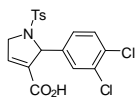
2-(3-Chlorophenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C12)



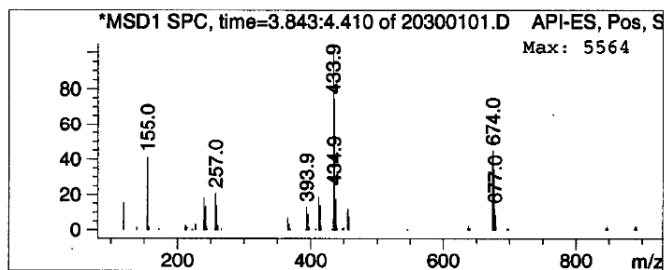
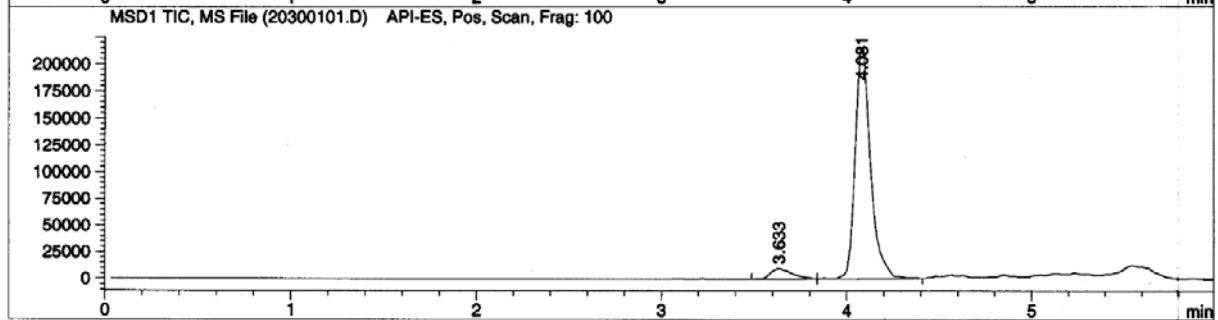
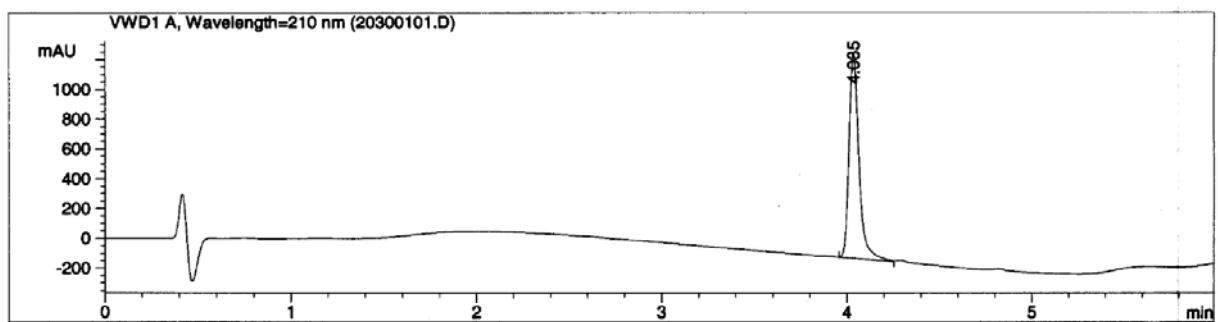
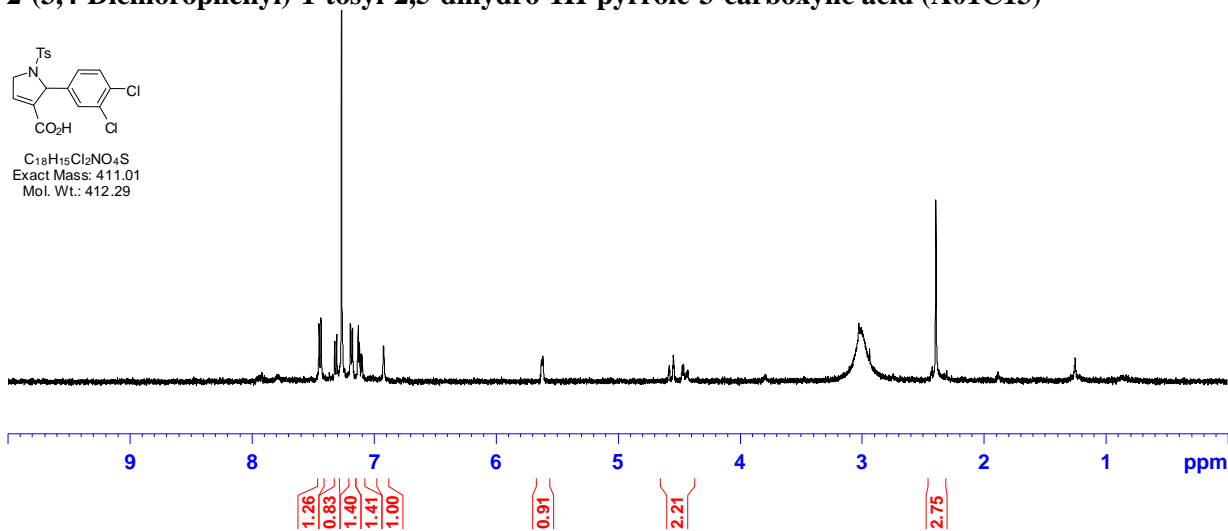
C₁₈H₁₆ClNO₄S
 Exact Mass: 377.05
 Mol. Wt.: 377.84



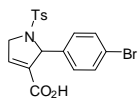
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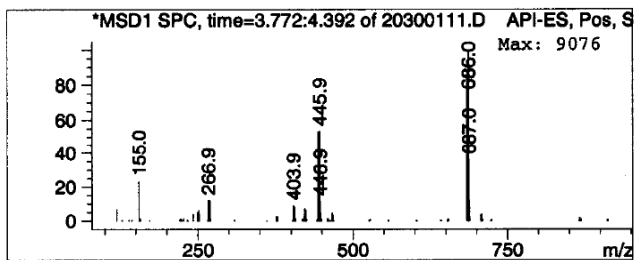
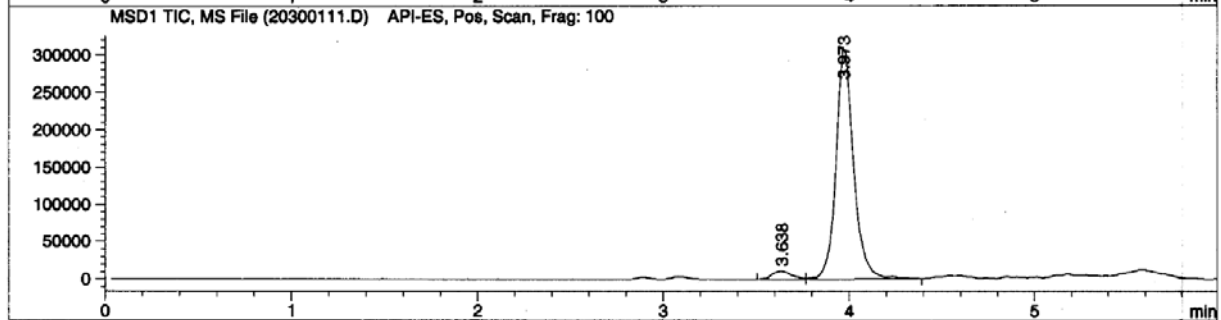
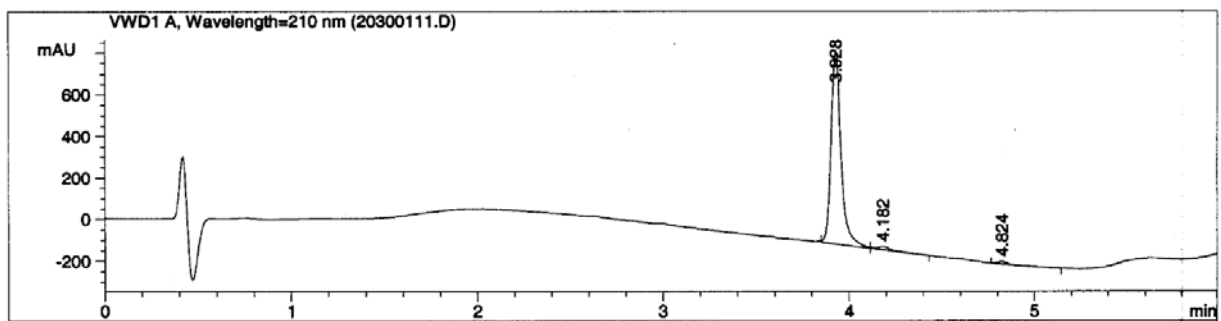
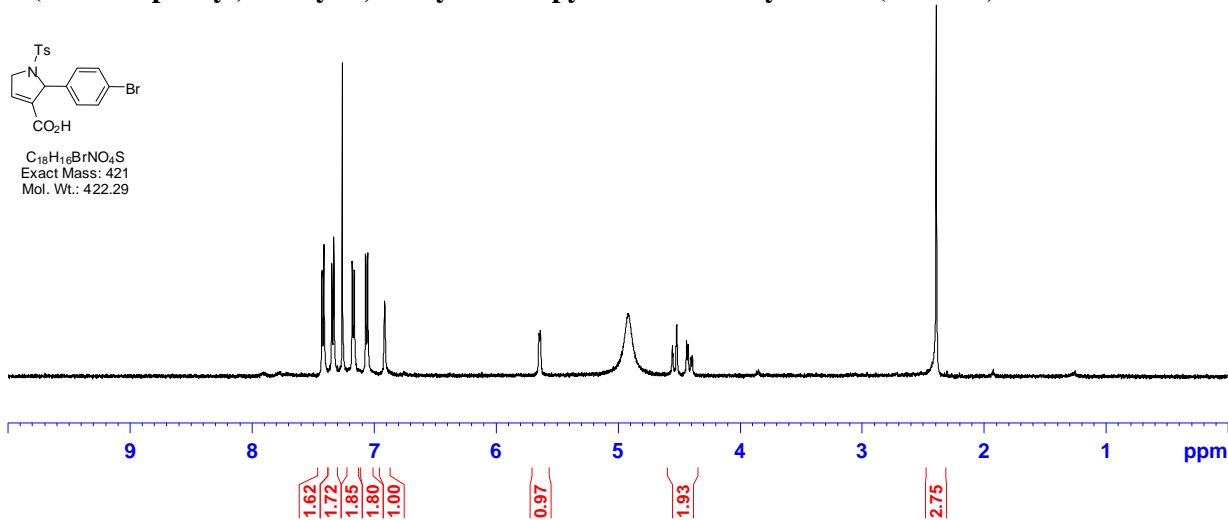
C₁₈H₁₅Cl₂NO₄S
 Exact Mass: 411.01
 Mol. Wt.: 412.29



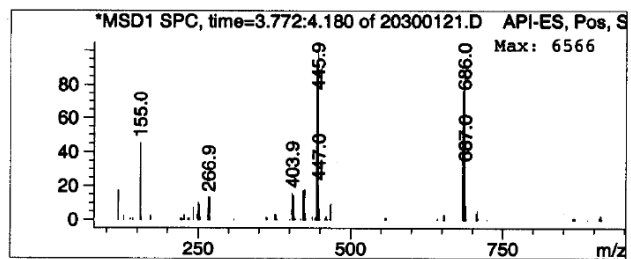
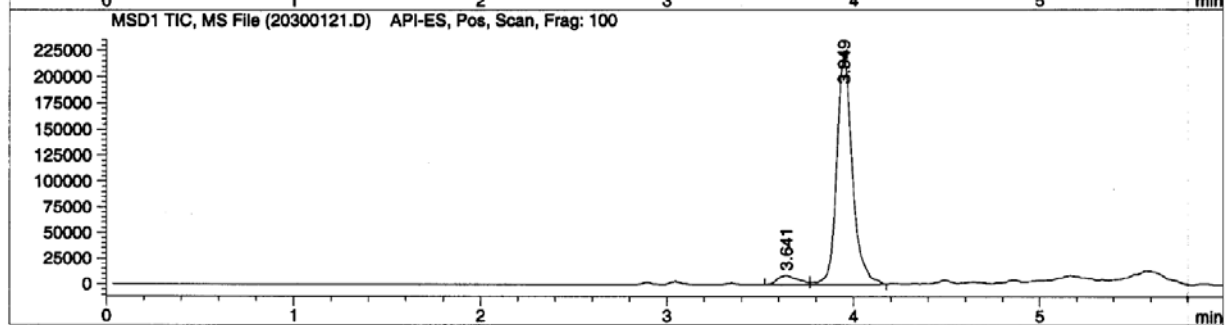
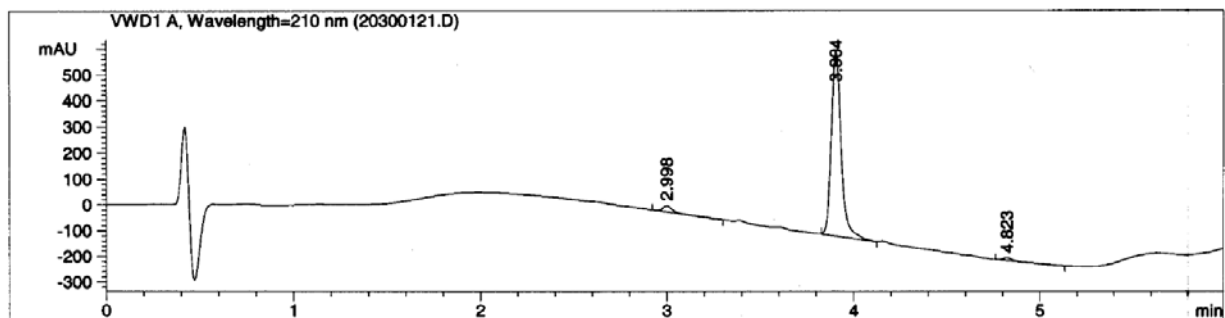
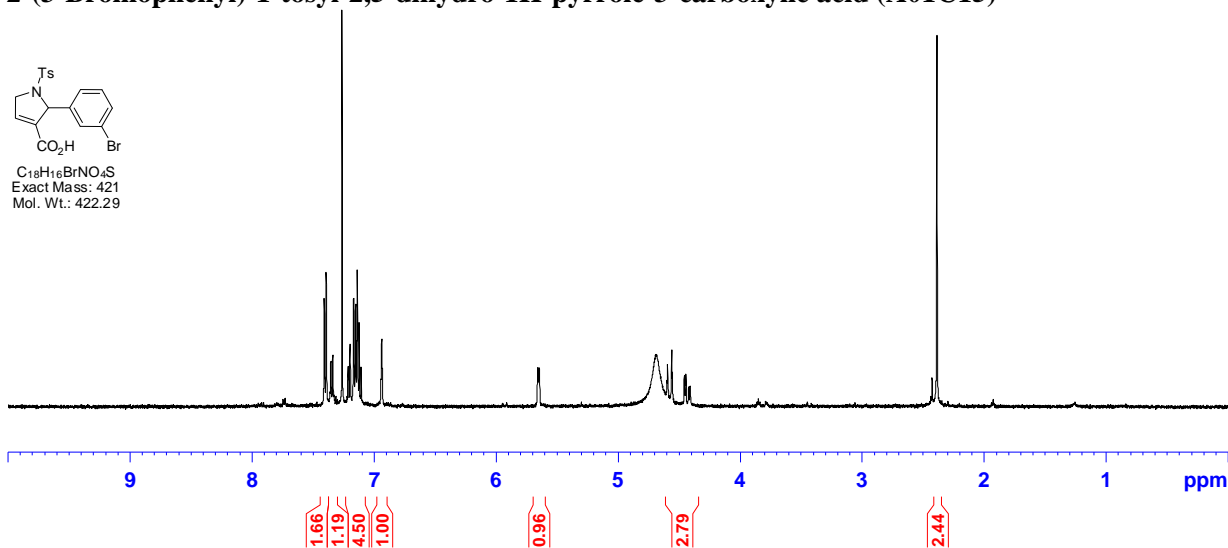
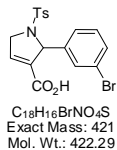
2-(4-Bromophenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C14)



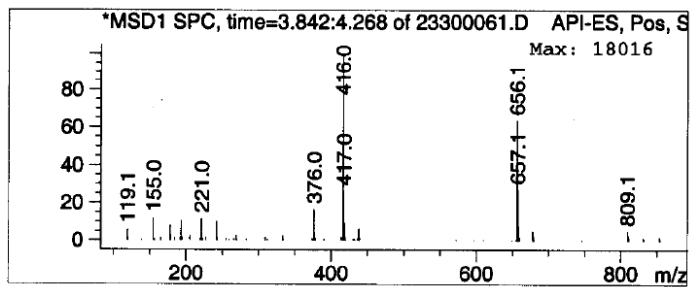
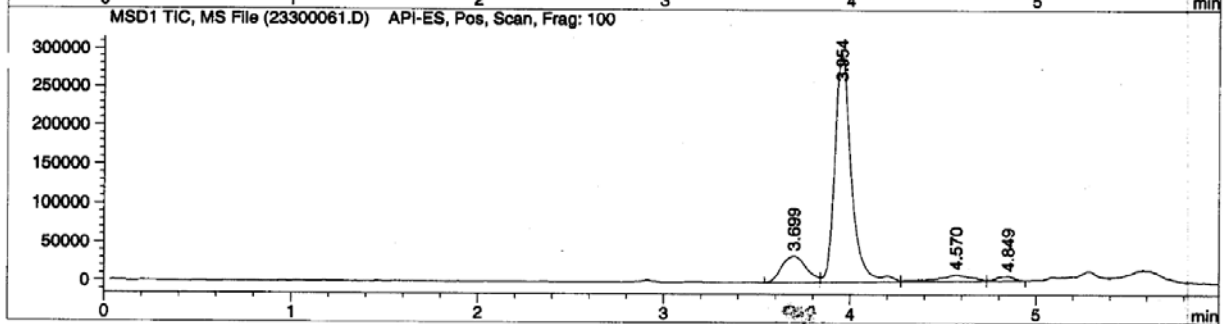
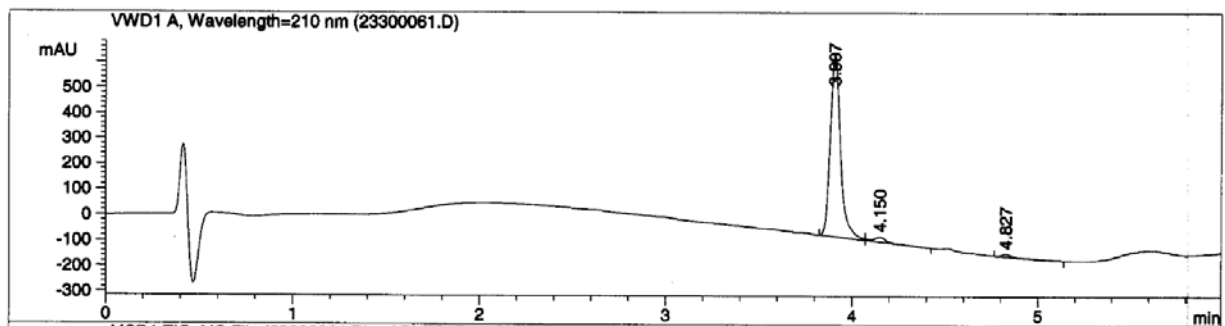
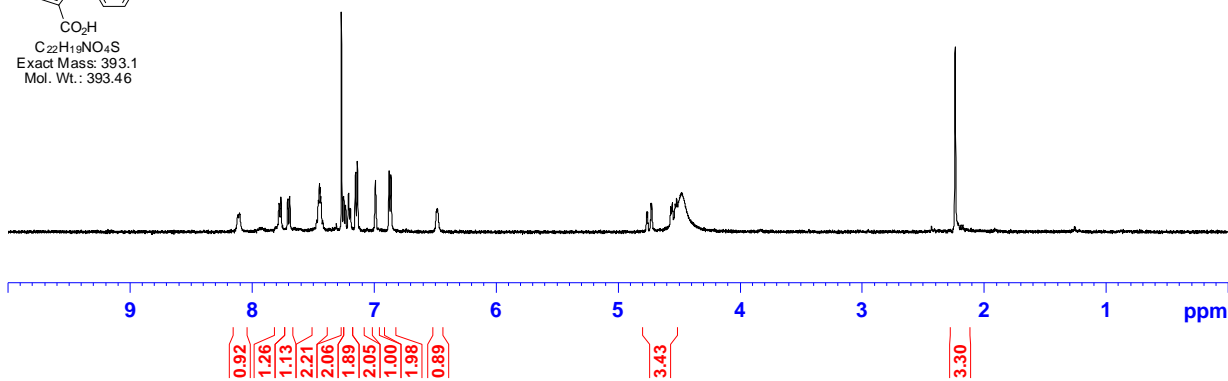
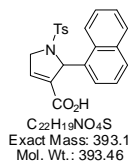
C₁₈H₁₆BrNO₄S
Exact Mass: 421
Mol. Wt.: 422.29



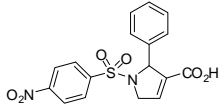
2-(3-Bromophenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C15)



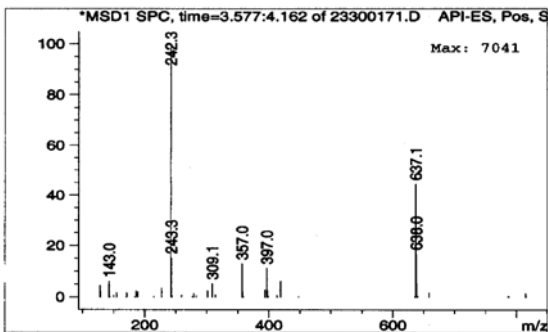
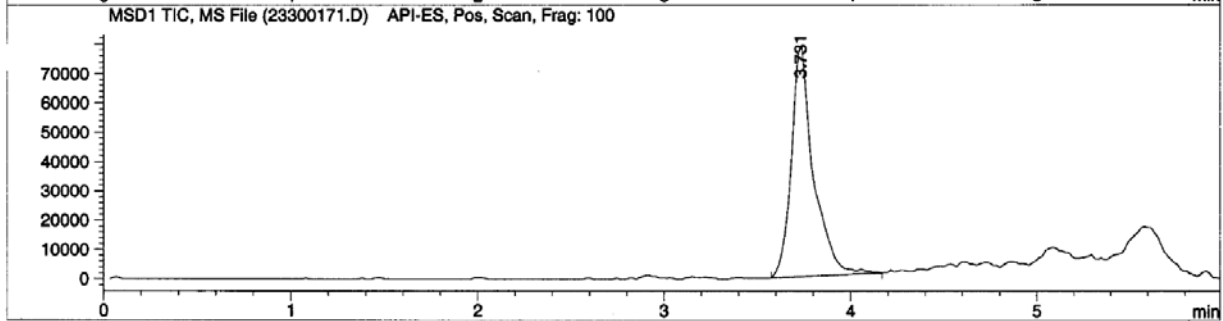
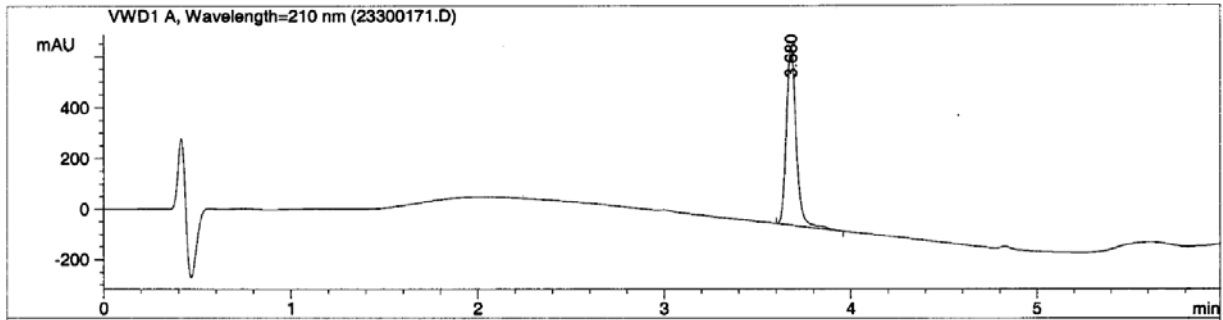
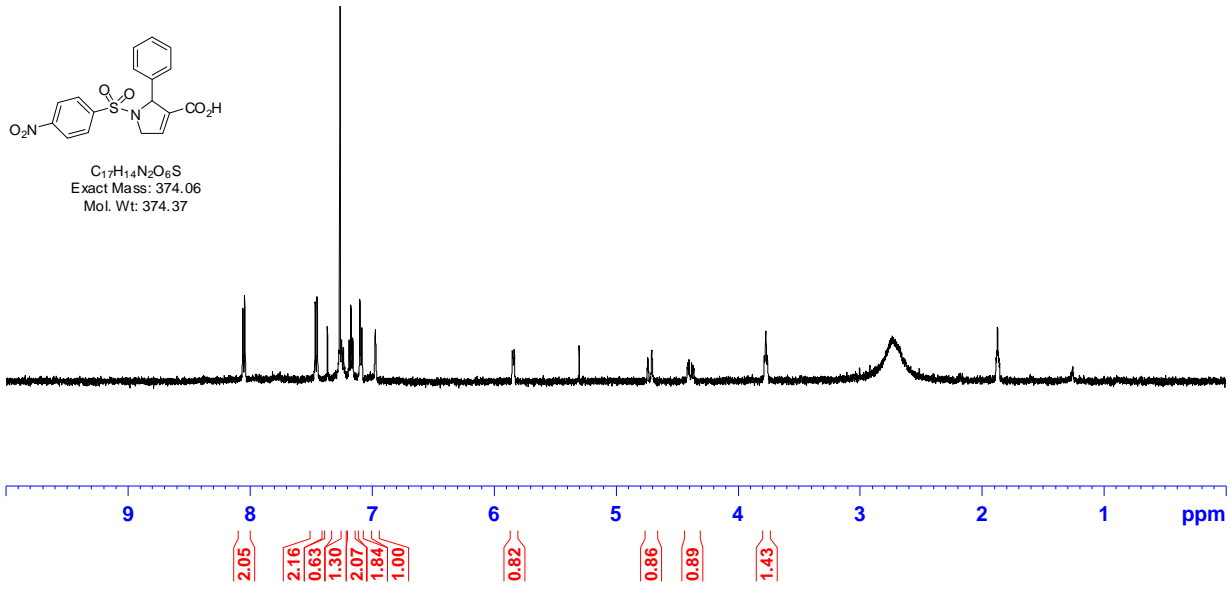
2-(Naphthalen-1-yl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C16)



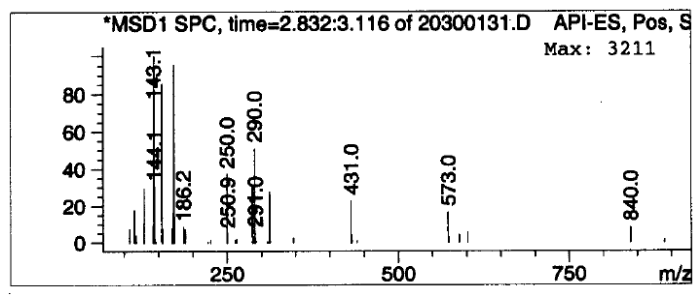
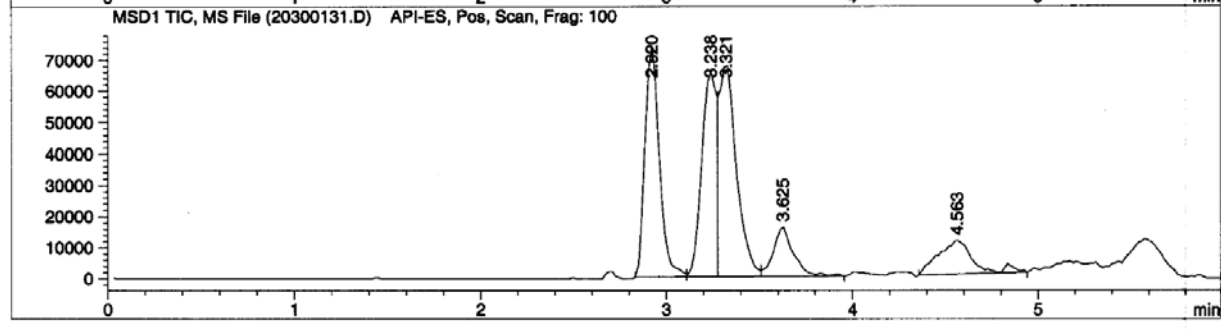
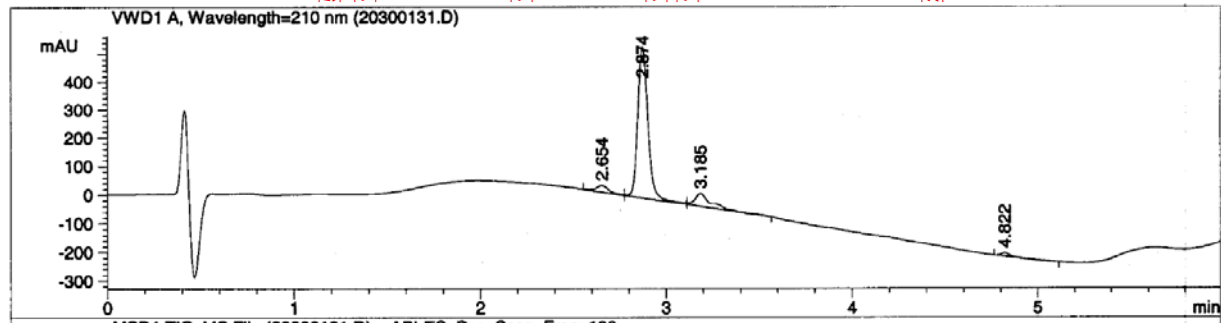
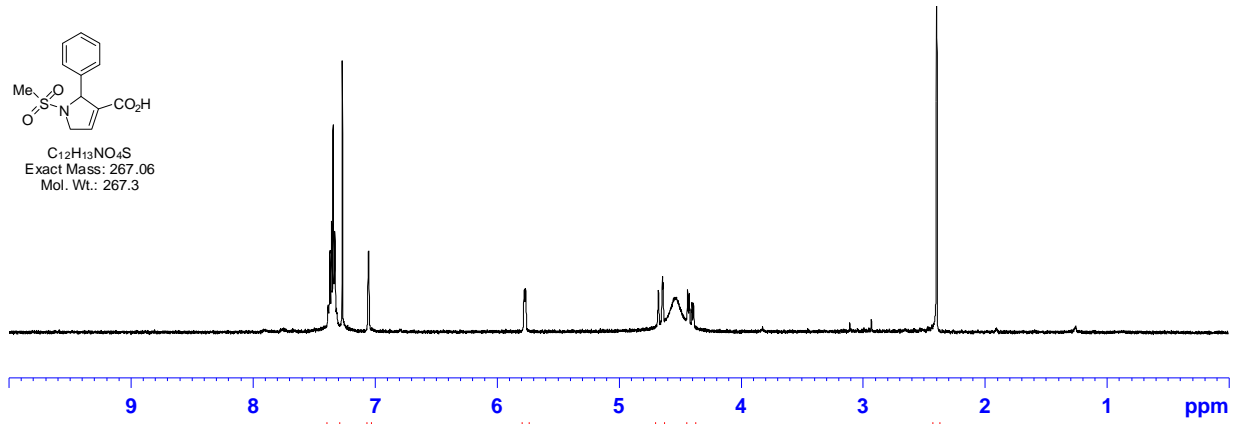
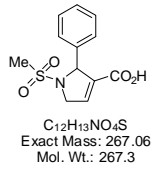
1-(4-Nitrophenylsulfonyl)-2-phenyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C18)



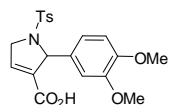
C₁₇H₁₄N₂O₆S
Exact Mass: 374.06
Mol. Wt: 374.37



1-(Methylsulfonyl)-2-phenyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C19)



2-(3,4-Dimethoxyphenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C20)

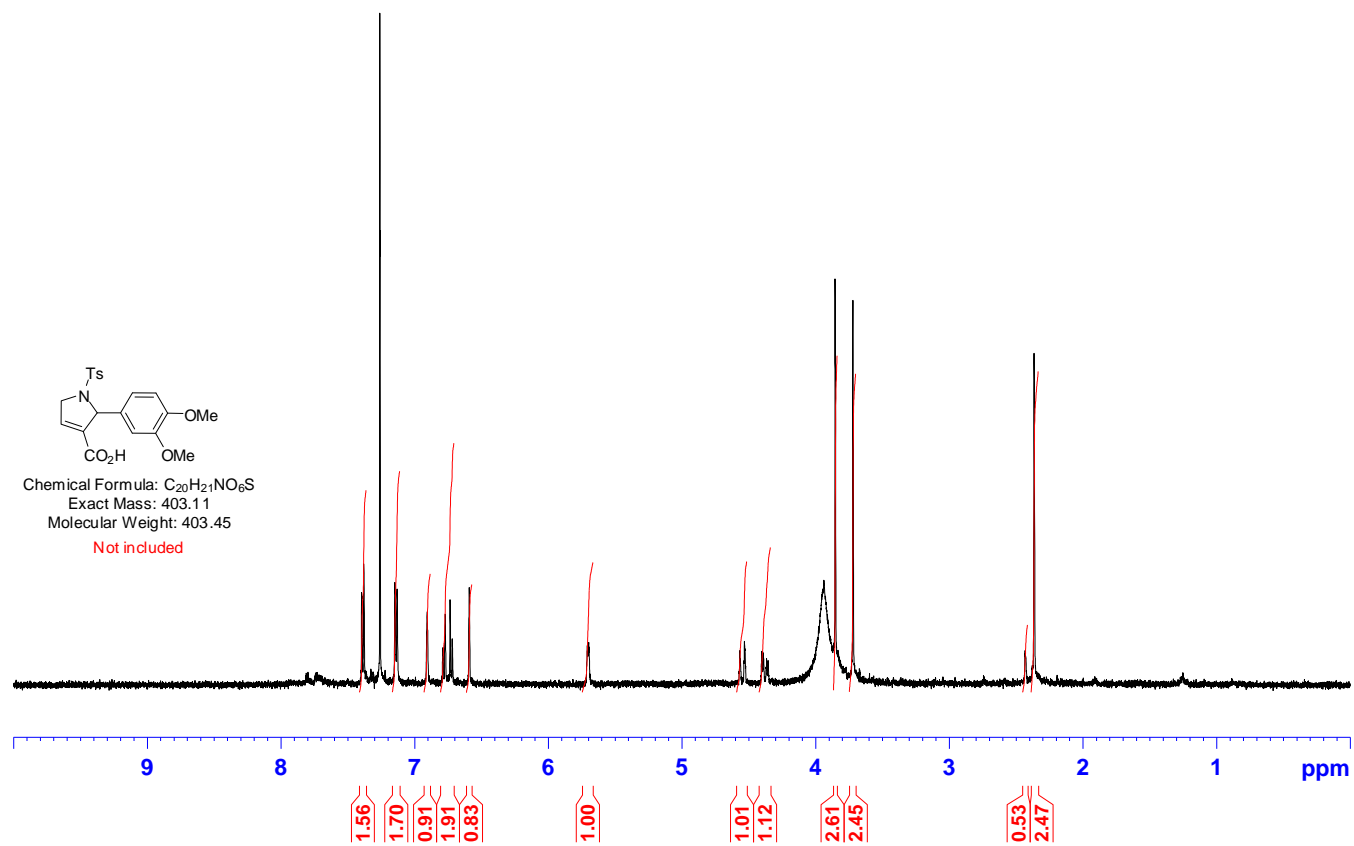


Chemical Formula: C₂₀H₂₁NO₆S

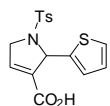
Exact Mass: 403.11

Molecular Weight: 403.45

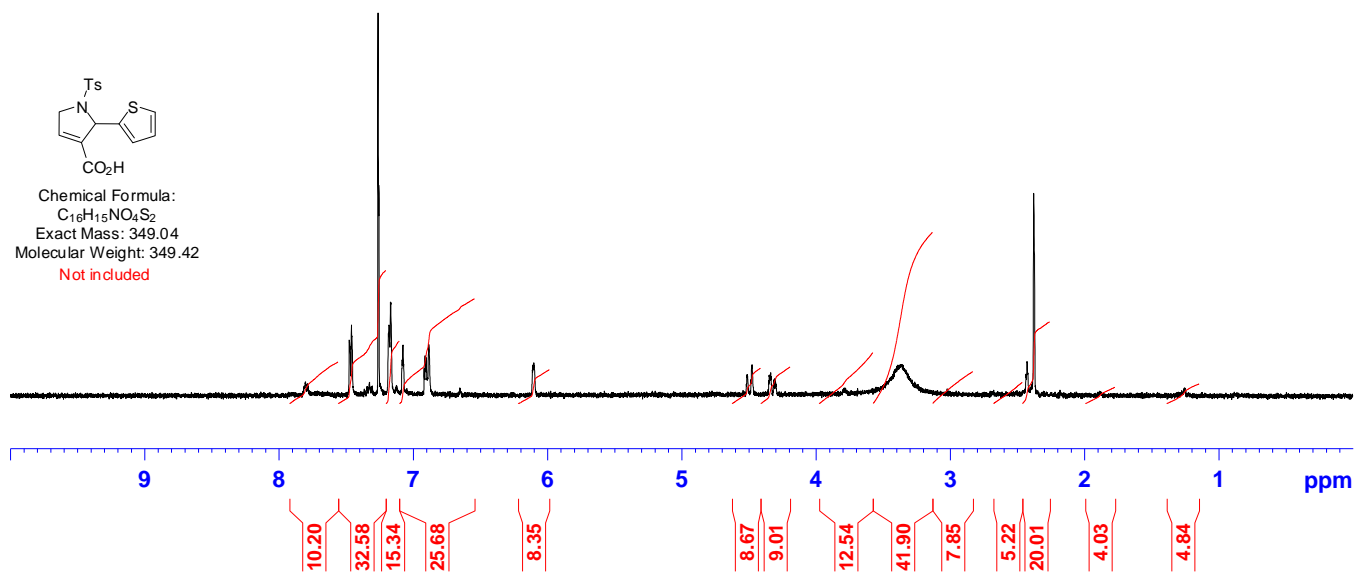
Not included



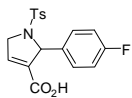
2-(Thiophen-2-yl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C21)



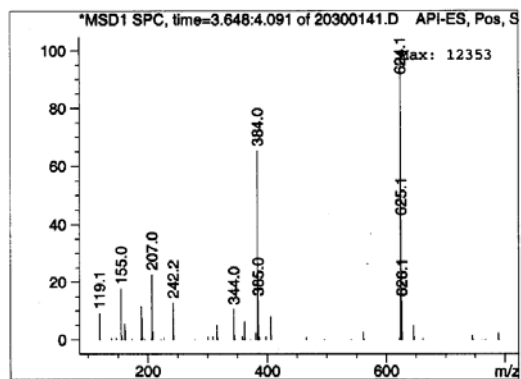
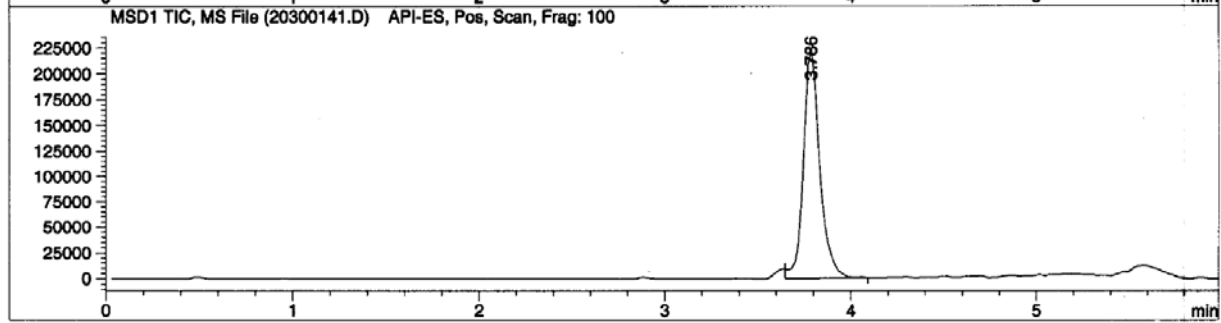
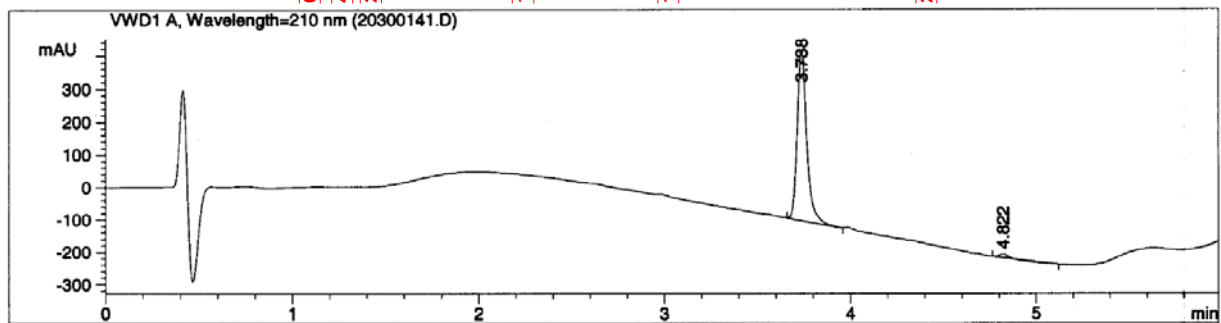
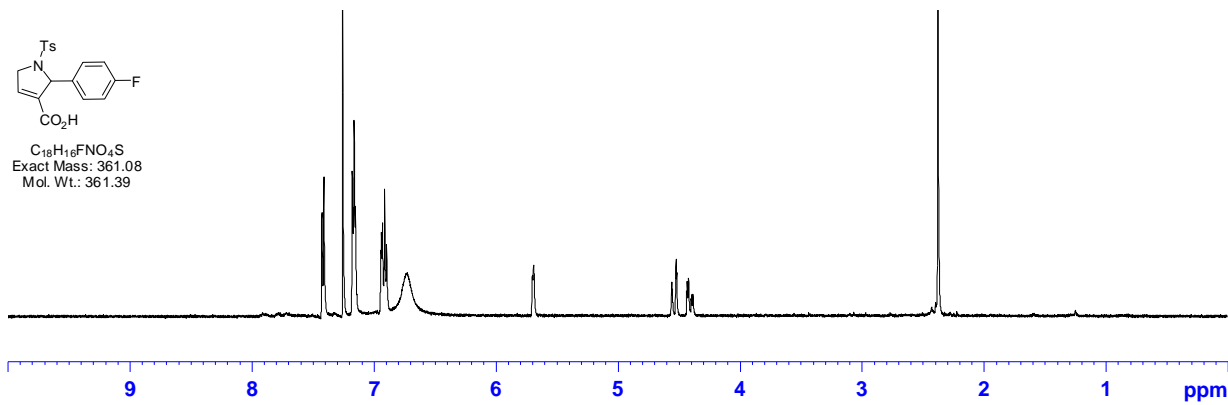
Chemical Formula:
 $C_{16}H_{15}NO_4S_2$
Exact Mass: 349.04
Molecular Weight: 349.42
Not included



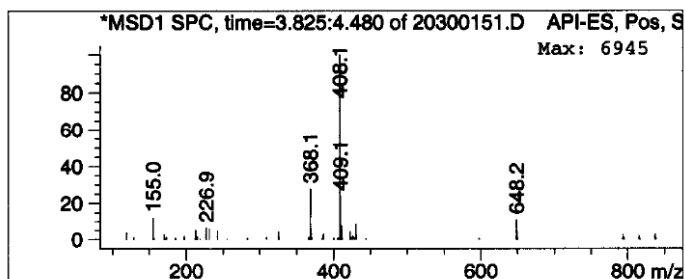
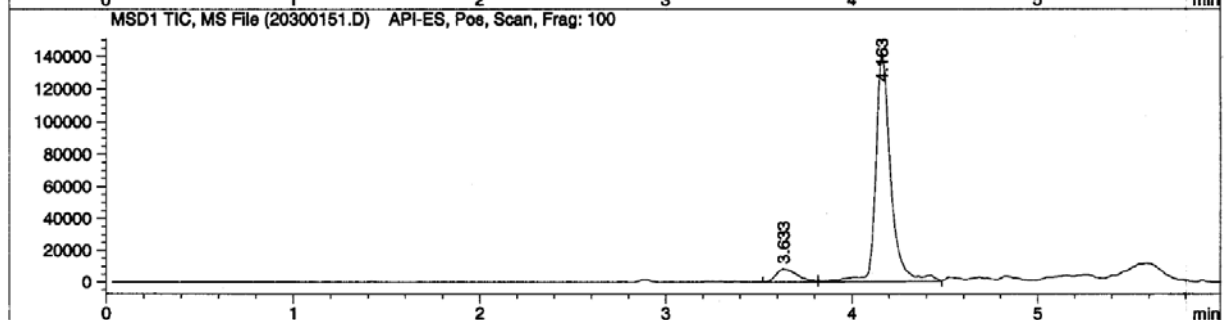
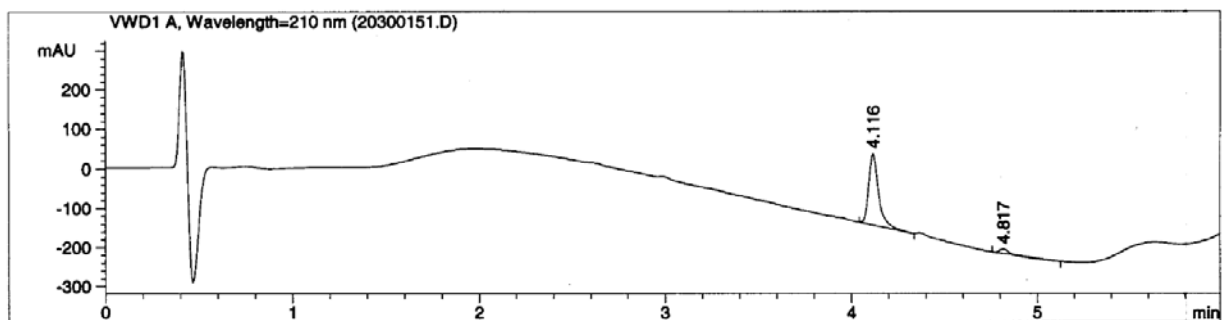
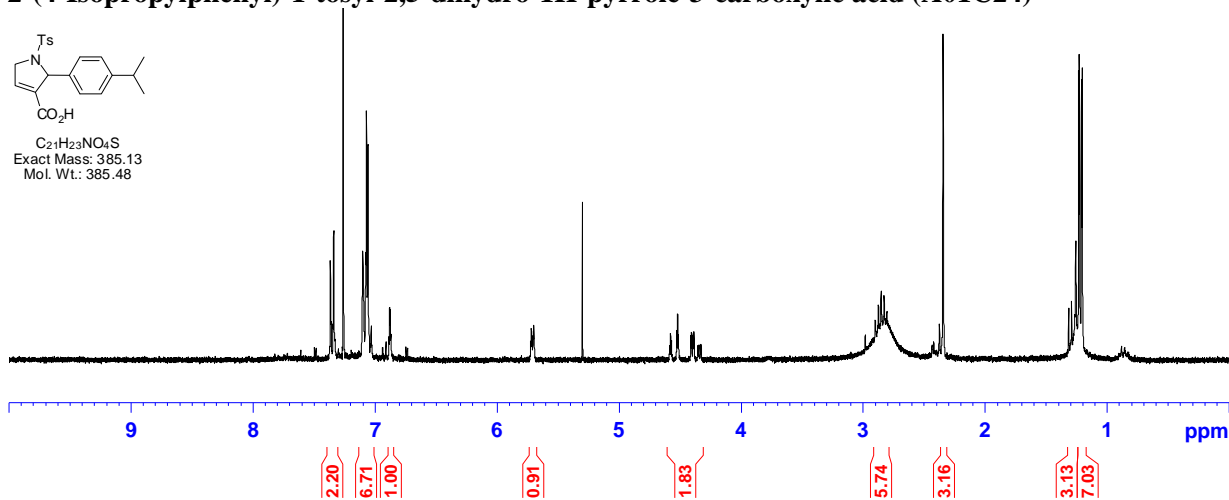
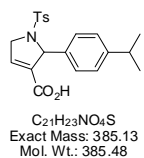
2-(4-Fluorophenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C23)



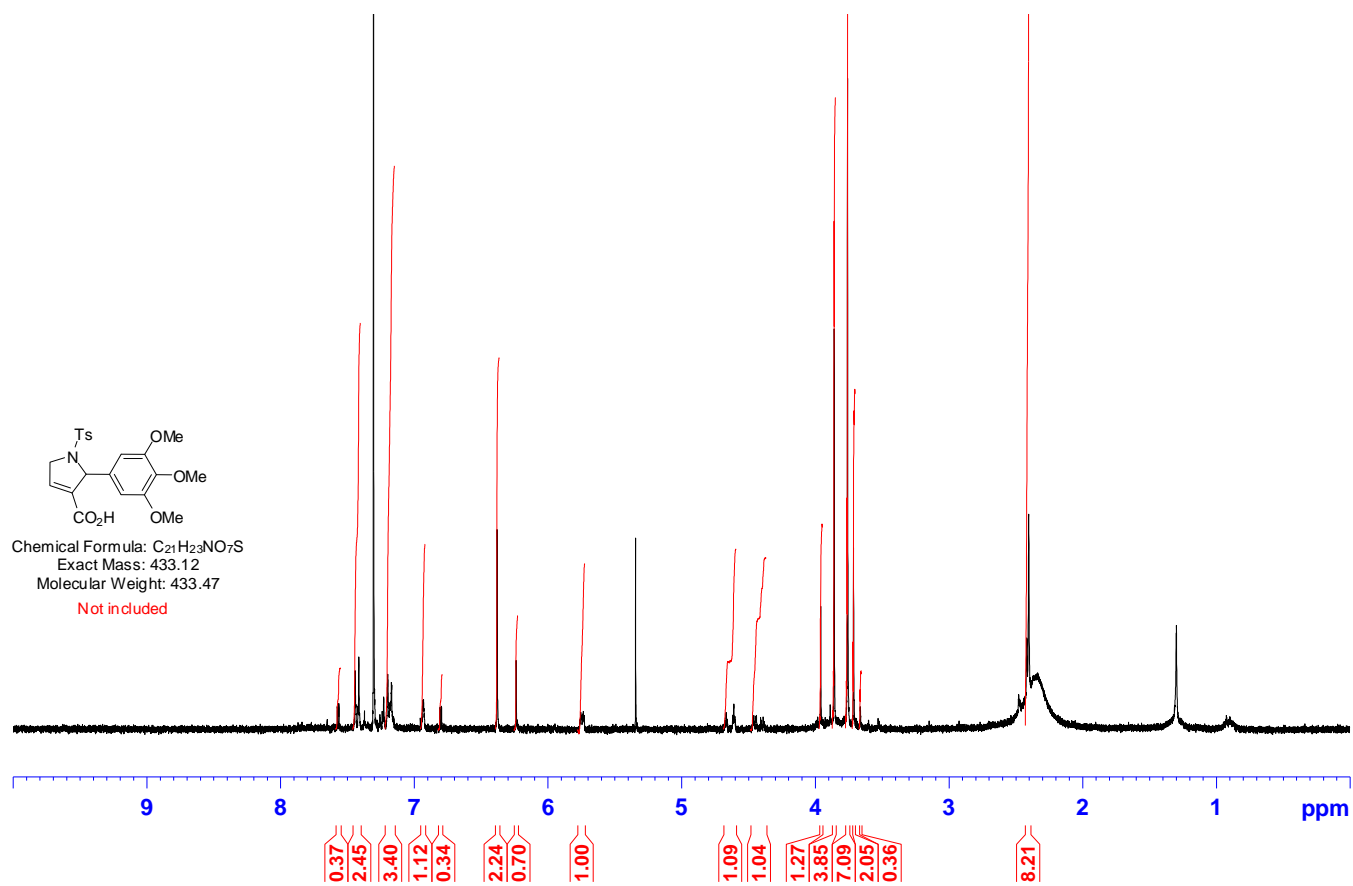
C₁₈H₁₆FNO₄S
Exact Mass: 361.08
Mol. Wt.: 361.39



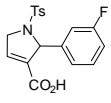
2-(4-Isopropylphenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C24)



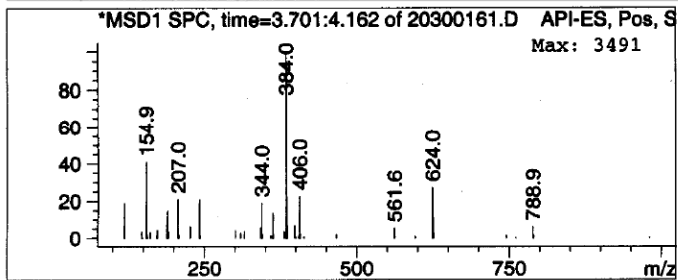
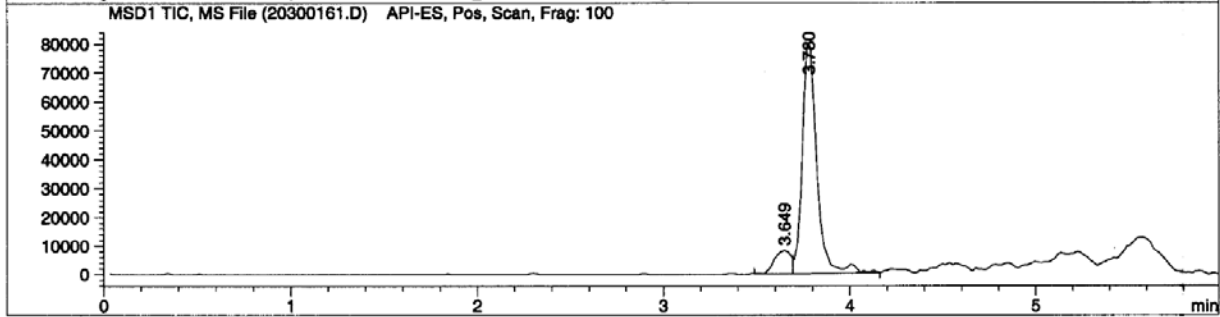
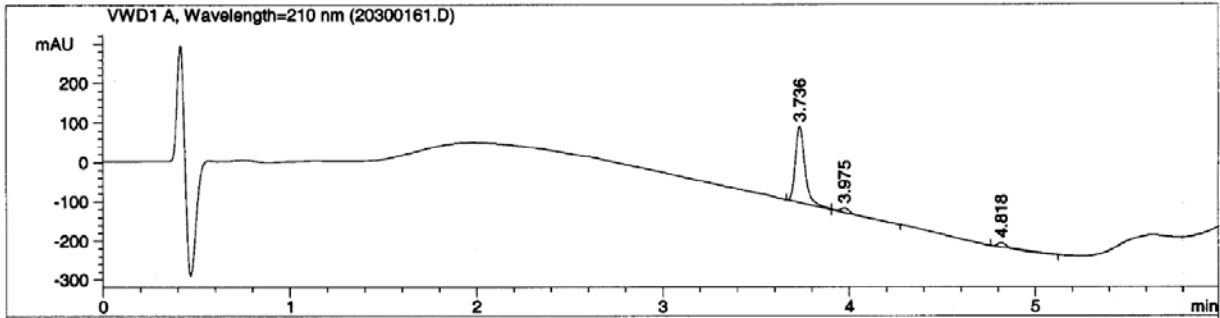
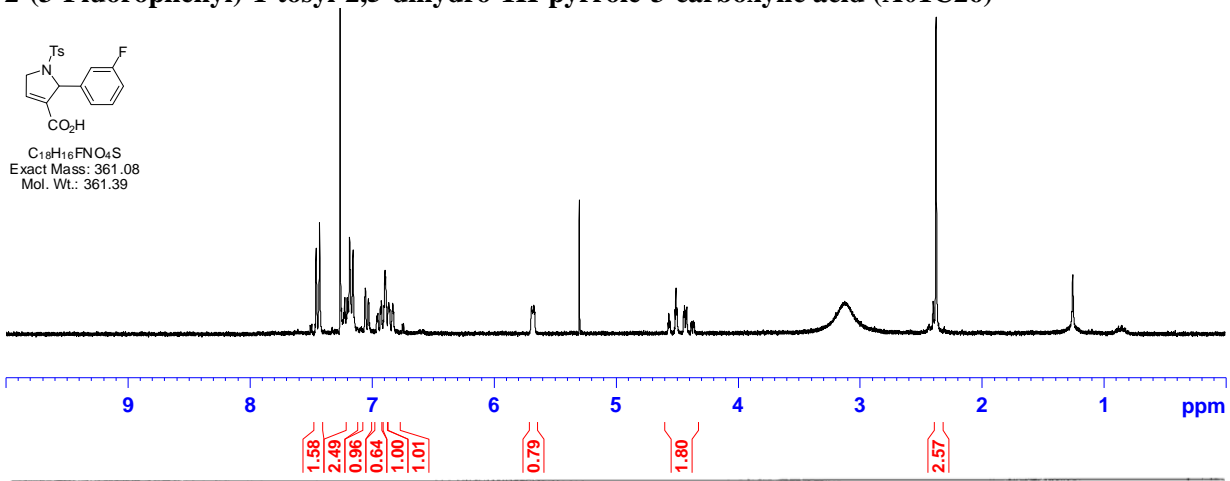
1-Tosyl-2-(3,4,5-trimethoxyphenyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C25)



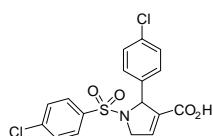
2-(3-Fluorophenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C26)



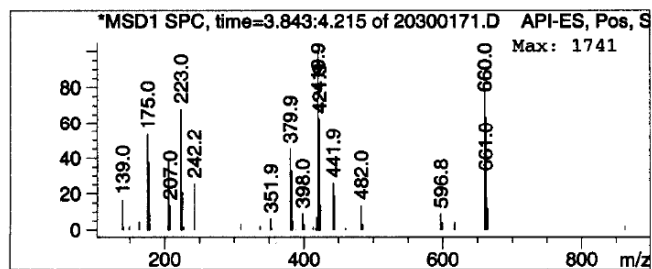
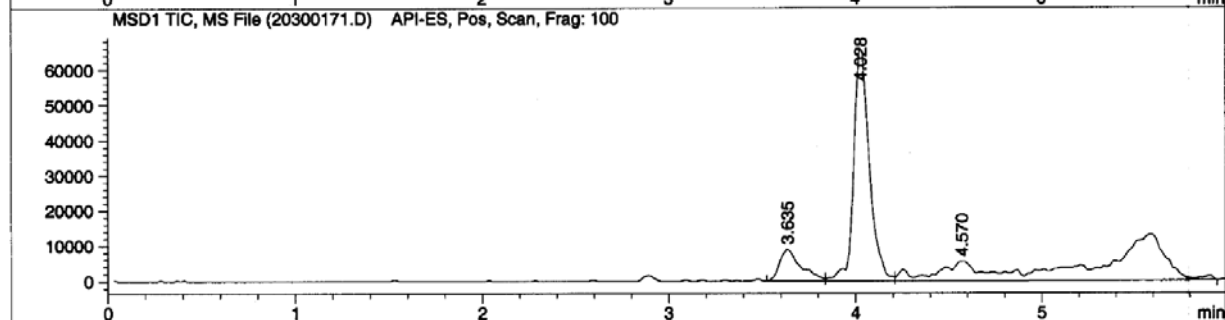
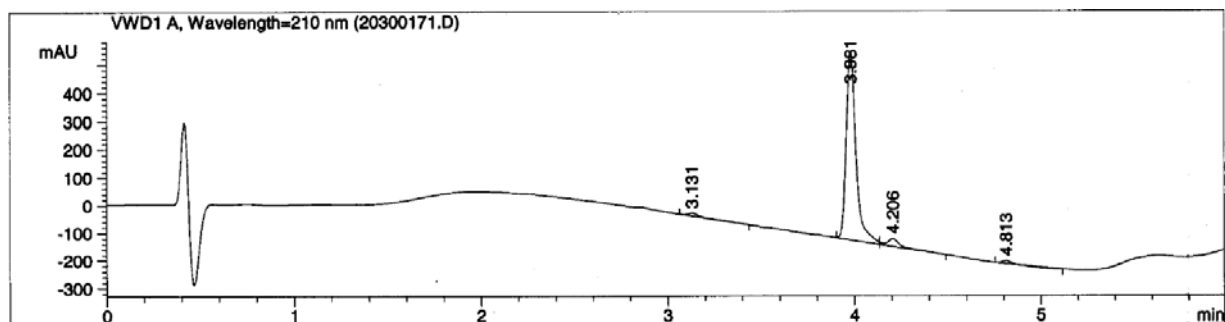
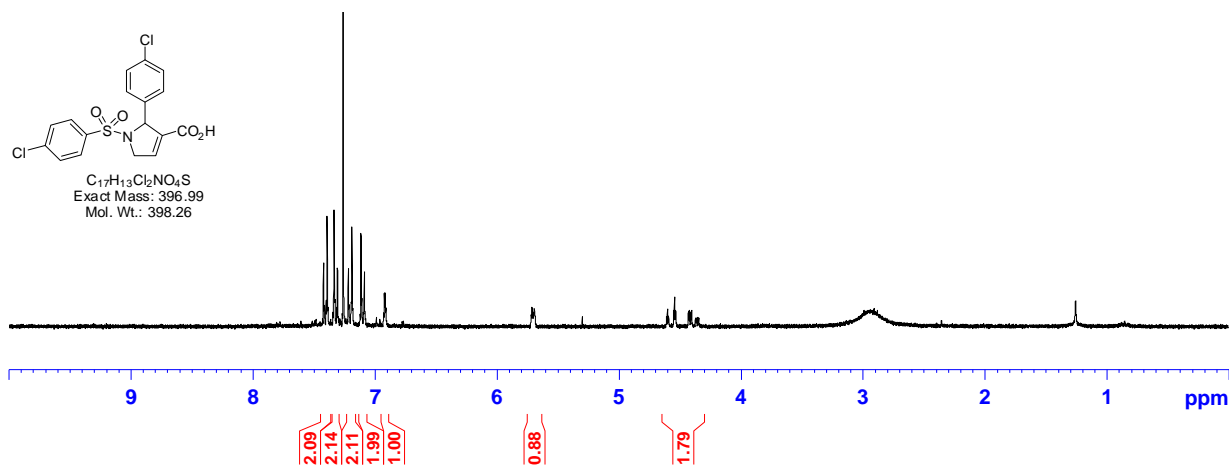
C₁₈H₁₆FN₂O₄S
Exact Mass: 361.08
Mol. Wt.: 361.39



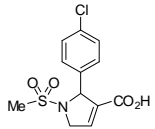
2-(4-Chlorophenyl)-1-(4-chlorophenylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C27)



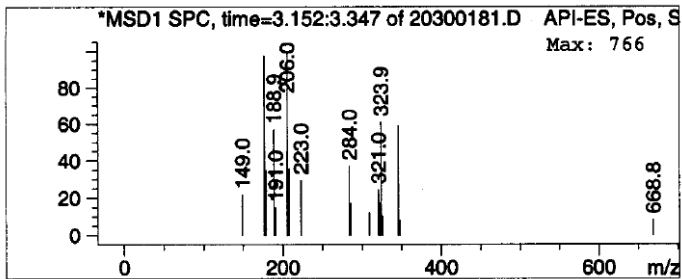
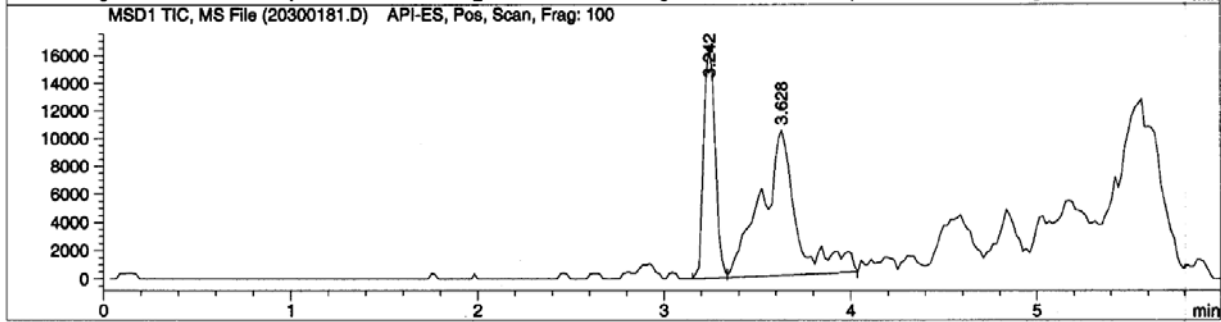
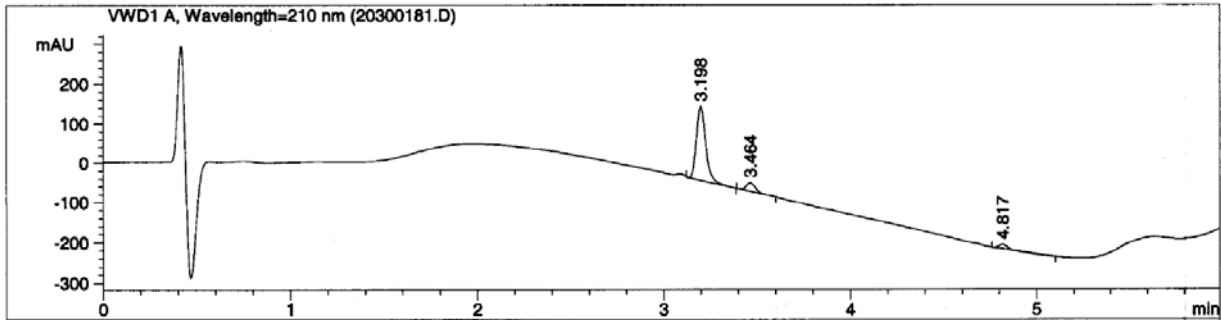
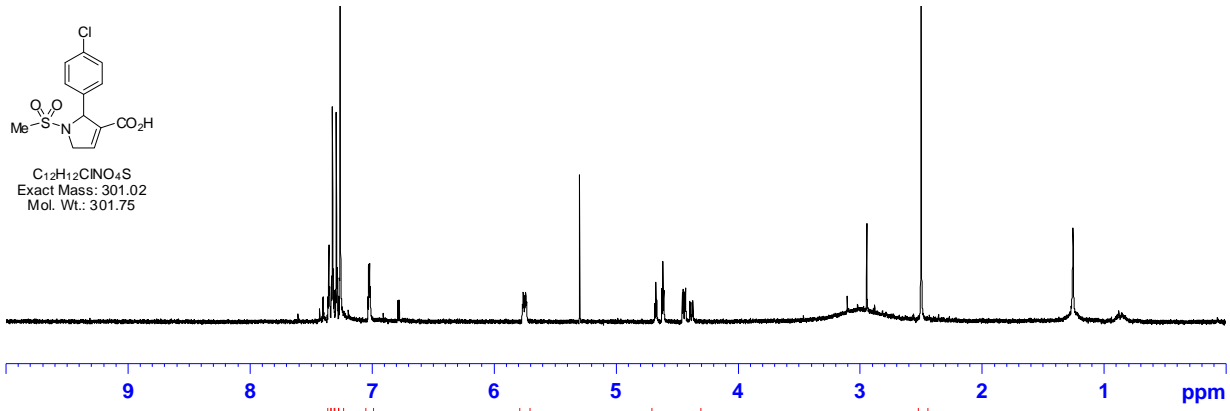
C₁₇H₁₃Cl₂NO₄S
 Exact Mass: 396.99
 Mol. Wt.: 398.26



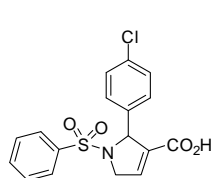
2-(4-Chlorophenyl)-1-(methylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C28)



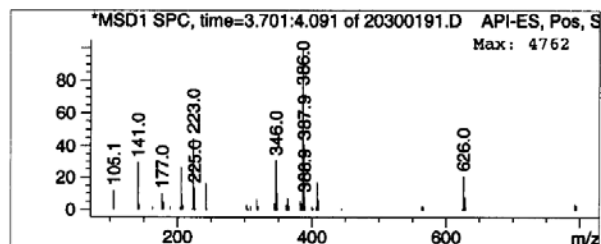
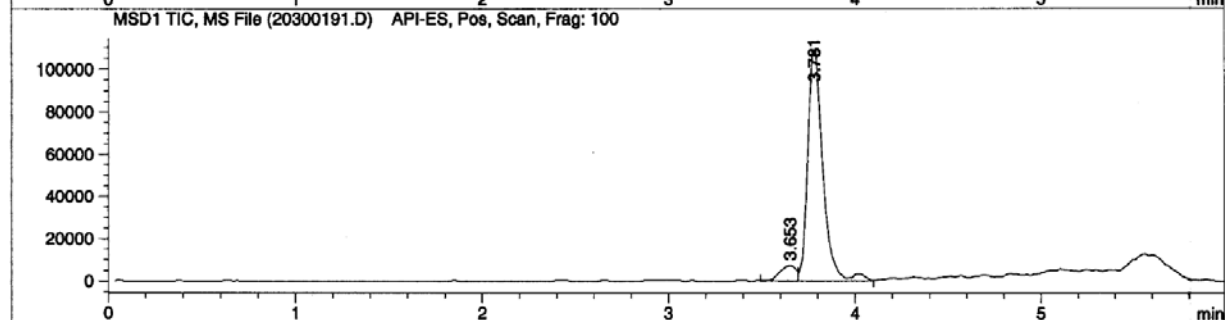
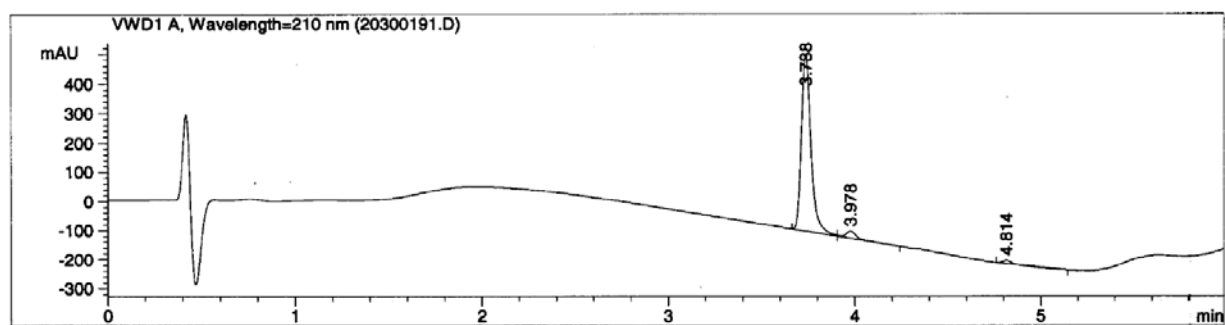
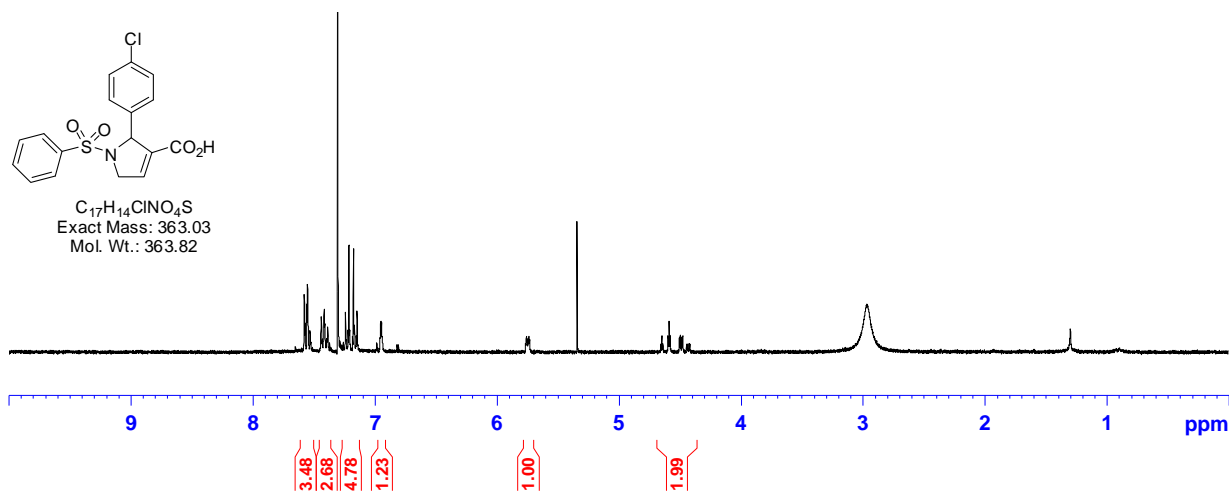
C₁₂H₁₂ClNO₄S
 Exact Mass: 301.02
 Mol. Wt.: 301.75



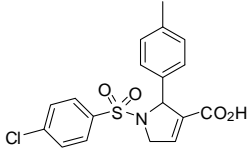
2-(4-Chlorophenyl)-1-(phenylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C29)



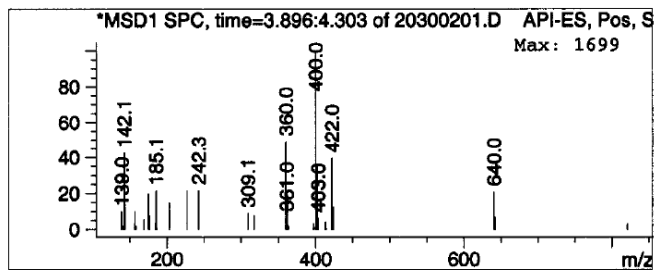
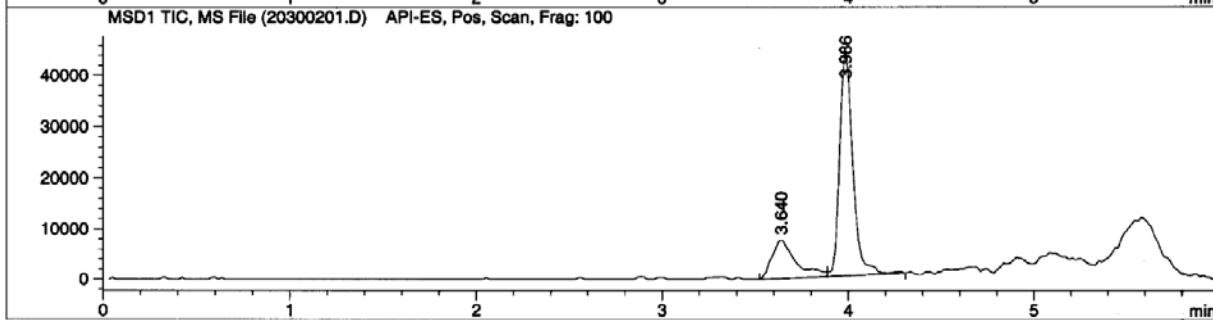
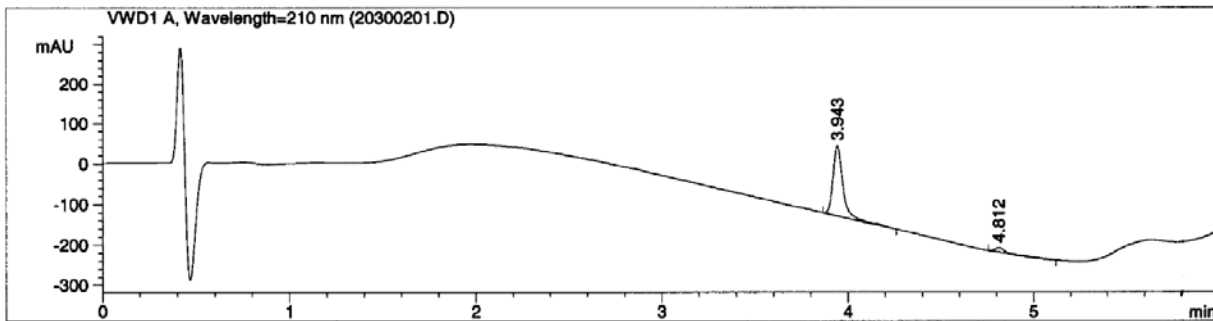
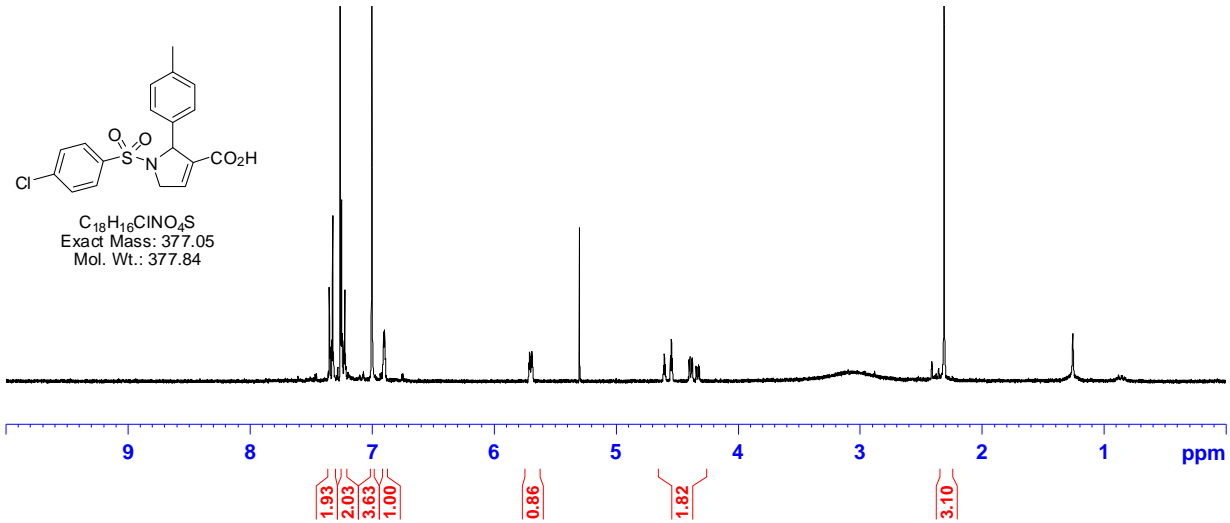
C₁₇H₁₄ClNO₄S
Exact Mass: 363.03
Mol. Wt.: 363.82



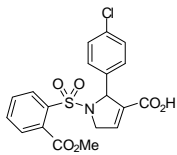
1-(4-Chlorophenylsulfonyl)-2-(*p*-tolyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C30)



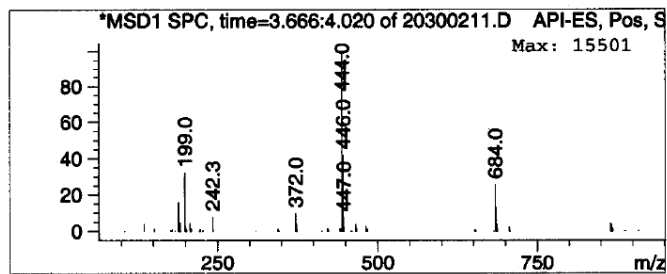
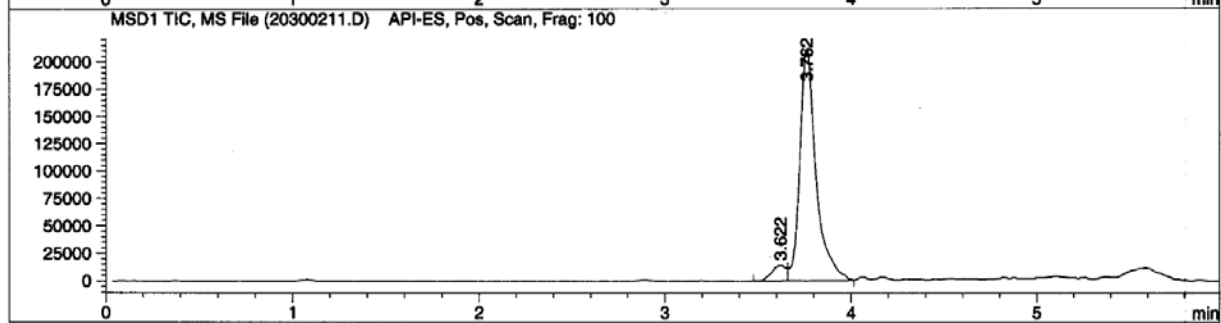
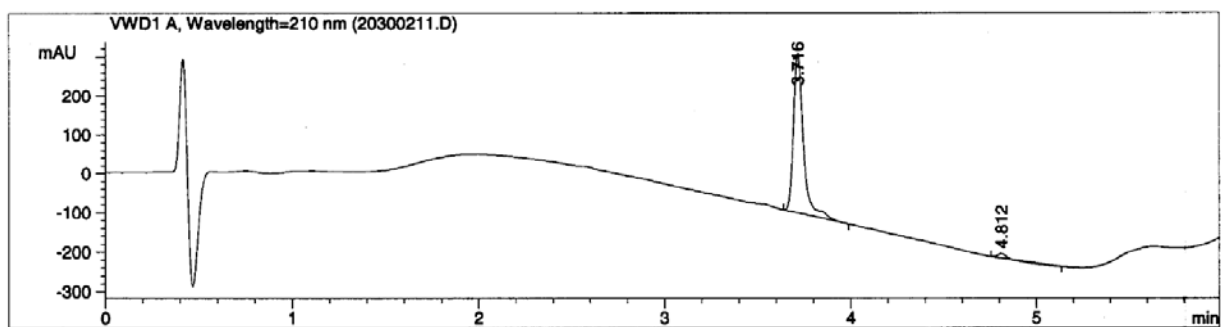
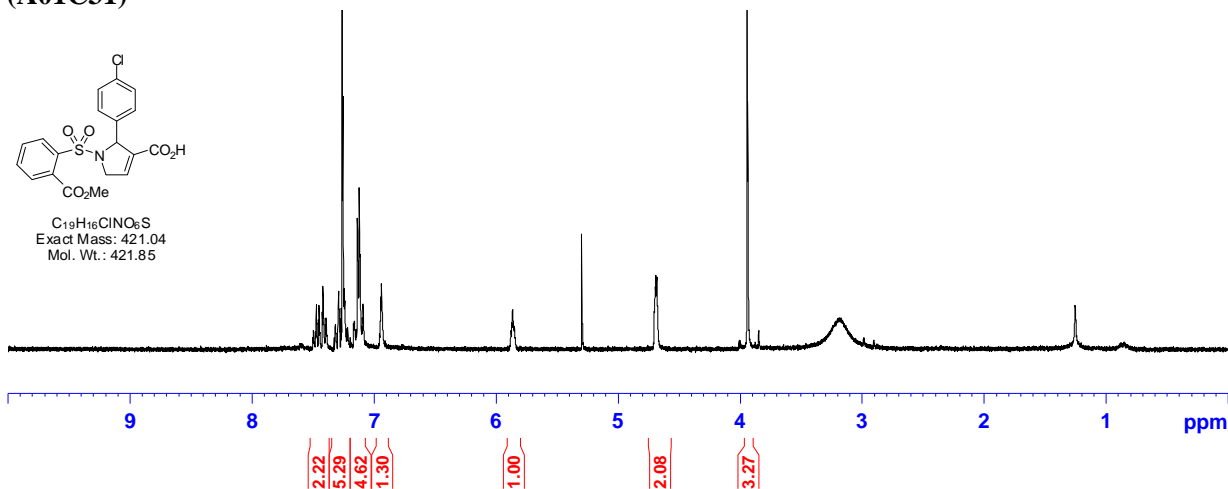
C₁₈H₁₆ClNO₄S
 Exact Mass: 377.05
 Mol. Wt.: 377.84



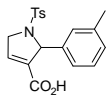
2-(4-Chlorophenyl)-1-(2-(methoxycarbonyl)phenylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C31)



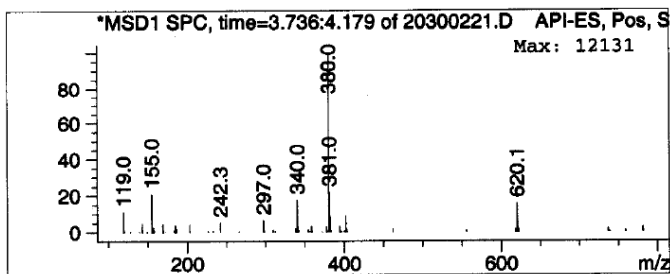
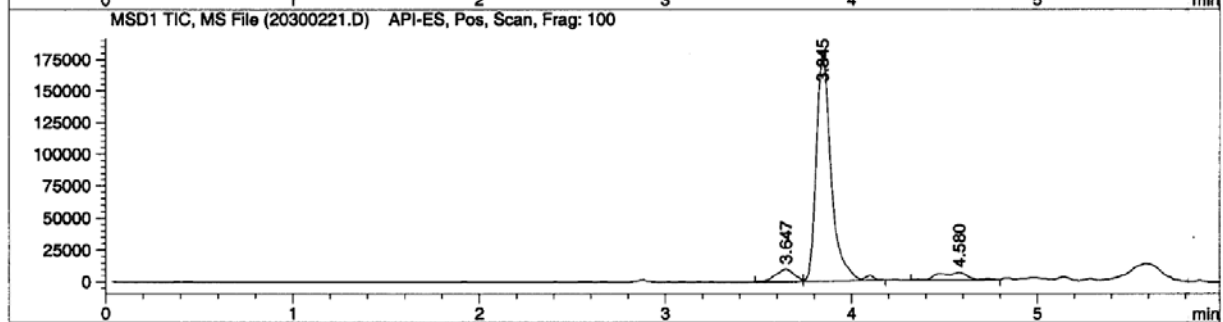
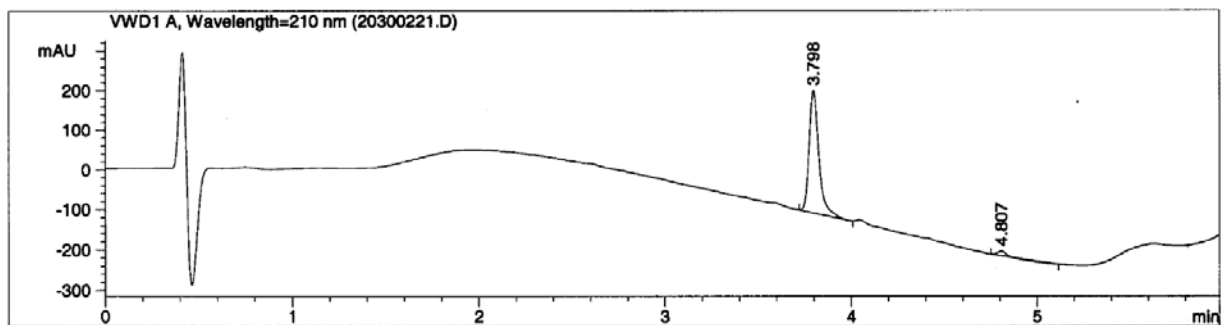
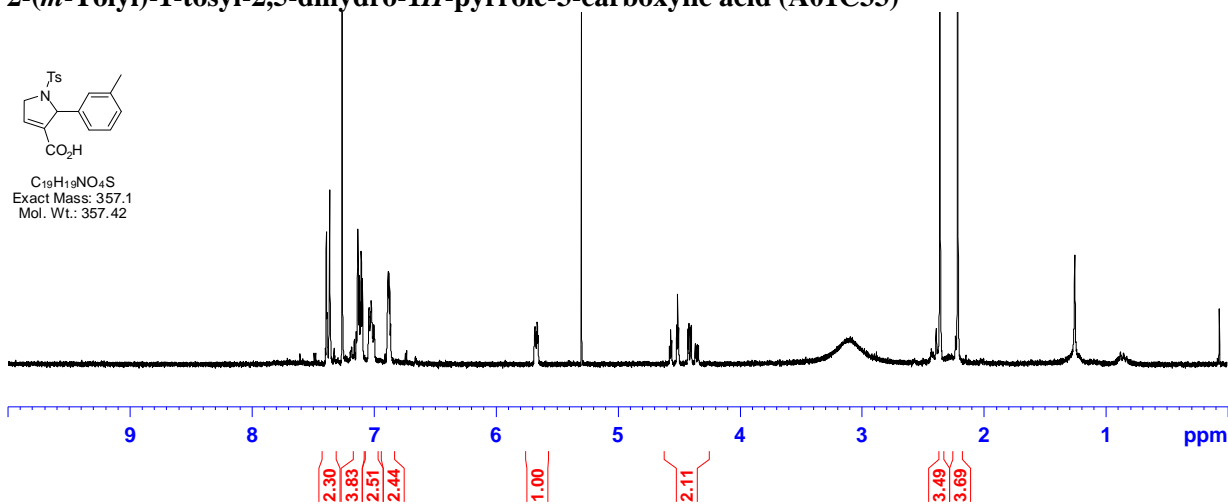
C₁₉H₁₆ClNO₅S
 Exact Mass: 421.04
 Mol. Wt.: 421.85



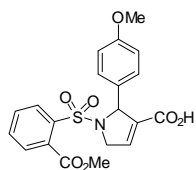
2-(*m*-Tolyl)-1-tosyl-2,5-dihydro-1*H*-pyrrole-3-carboxylic acid (A01C33)



C₁₉H₁₉NO₄S
 Exact Mass: 357.1
 Mol. Wt.: 357.42

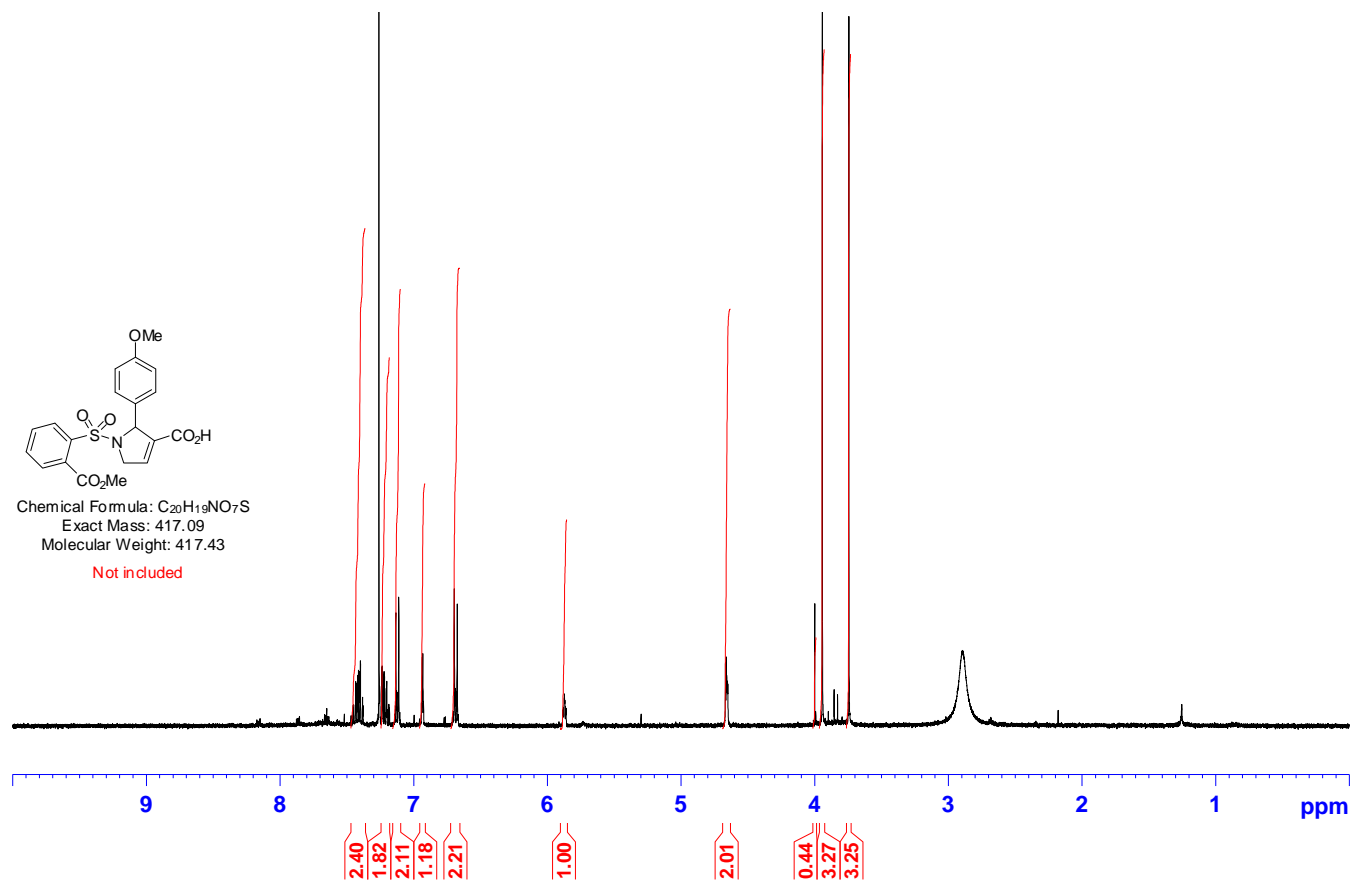


1-(2-(Methoxycarbonyl)phenylsulfonyl)-2-(4-methoxyphenyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C34)

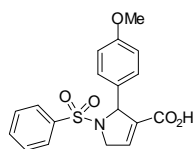


Chemical Formula: C₂₀H₁₉NO₇S
Exact Mass: 417.09
Molecular Weight: 417.43

Not included

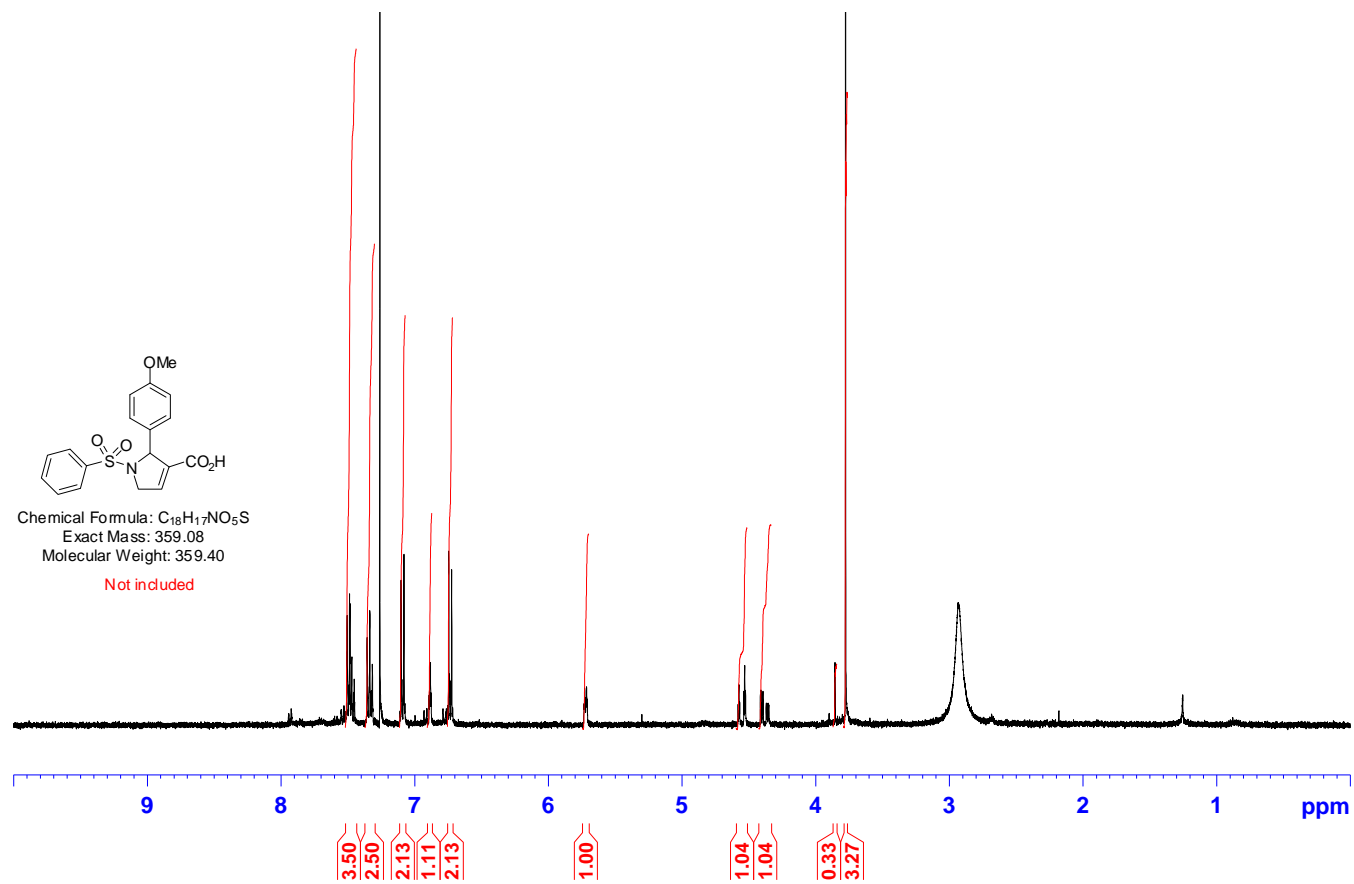


2-(4-Methoxyphenyl)-1-(phenylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C35)

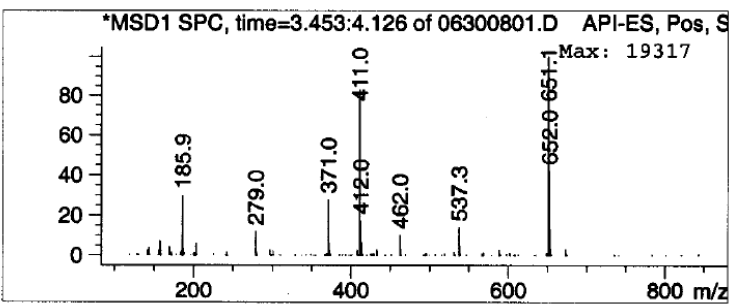
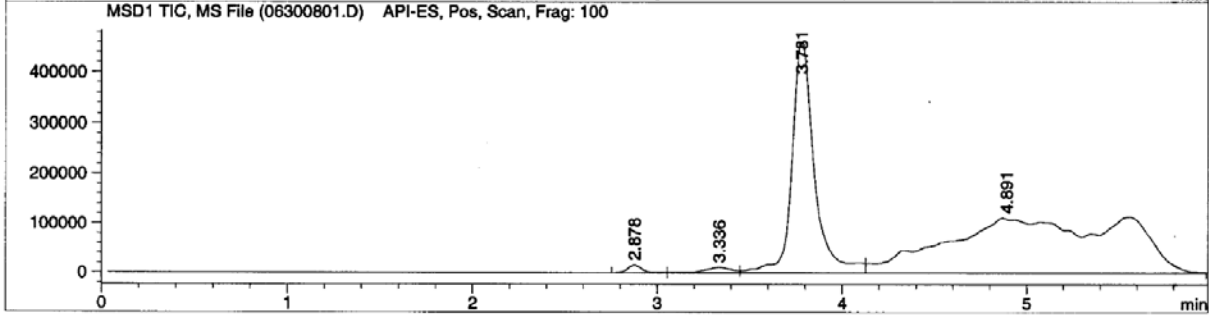
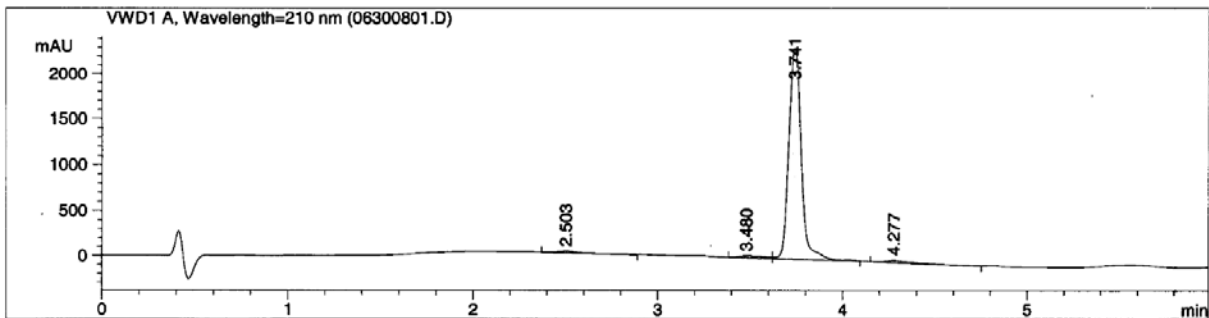
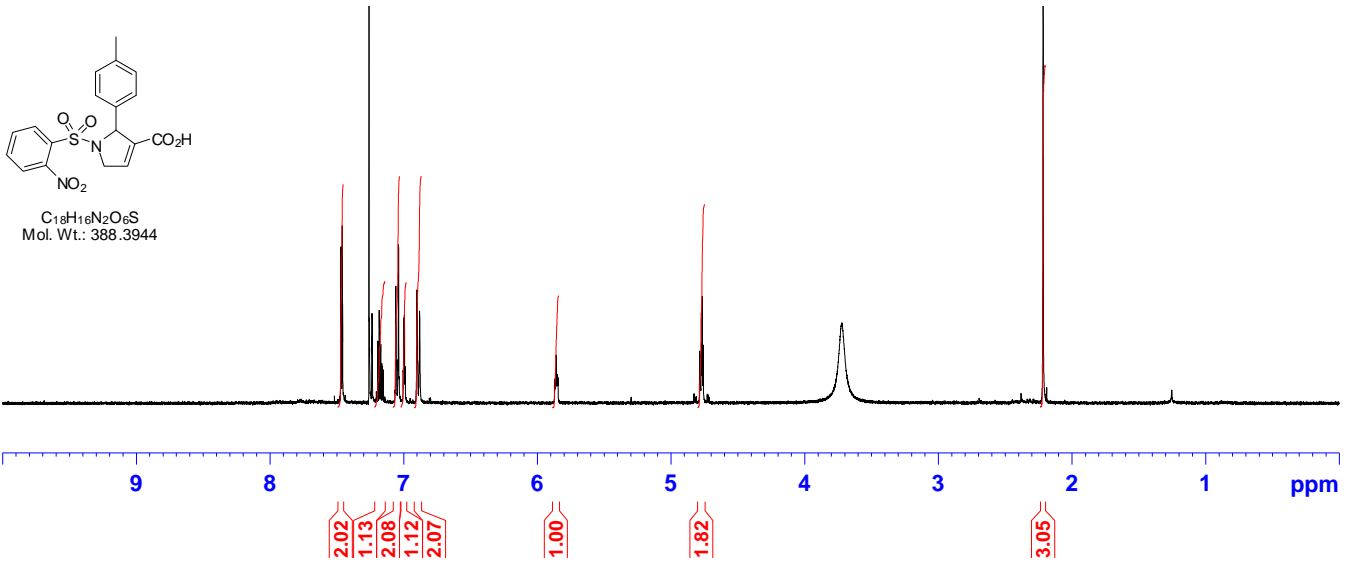


Chemical Formula: C₁₈H₁₇NO₅S
Exact Mass: 359.08
Molecular Weight: 359.40

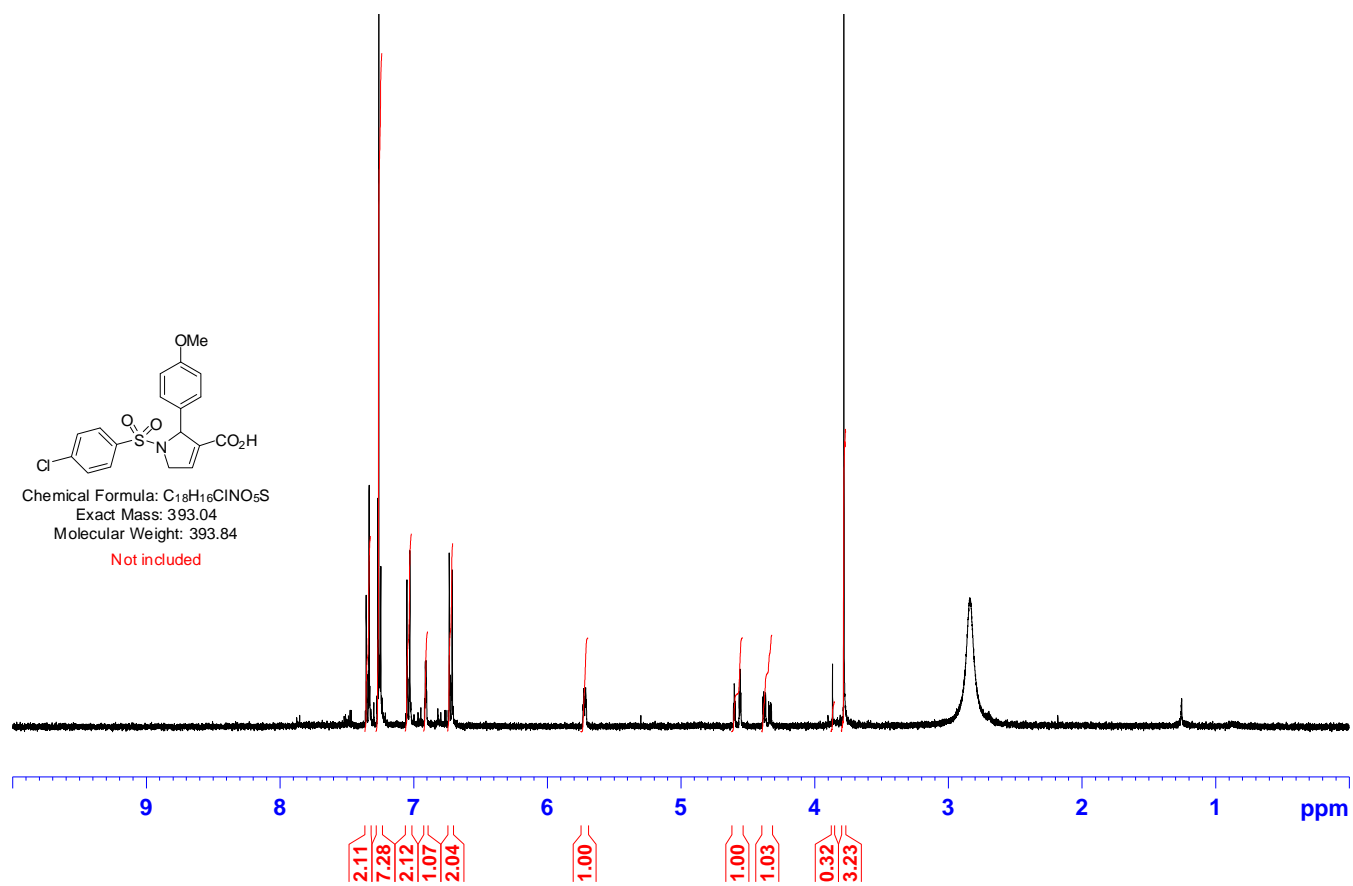
Not included



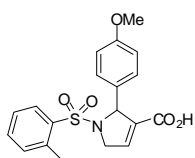
1-(2-Nitrophenylsulfonyl)-2-(*p*-tolyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C36)



1-(4-Chlorophenylsulfonyl)-2-(4-methoxyphenyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C37)

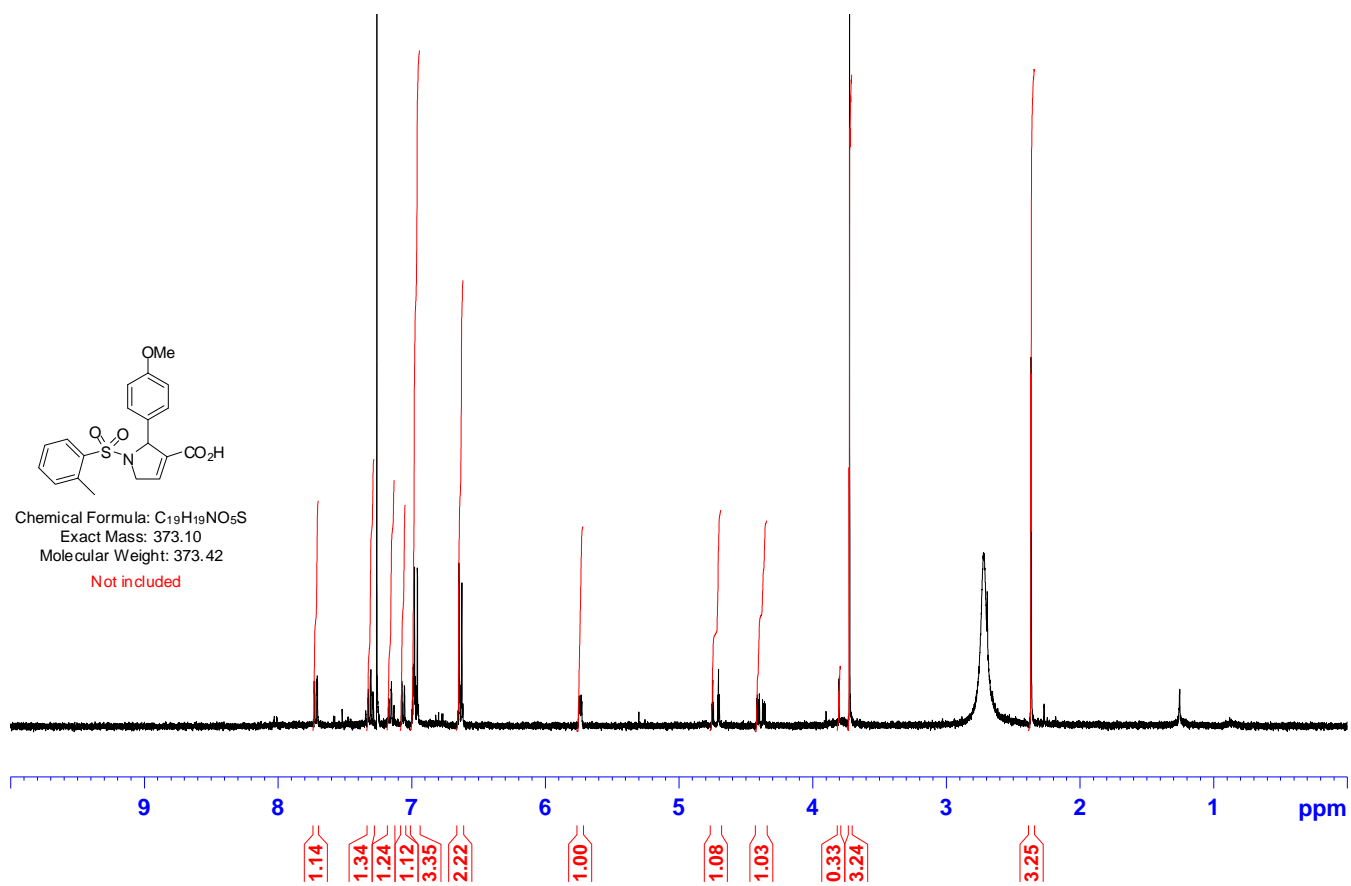


2-(4-Methoxyphenyl)-1-(*o*-tolylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C38)

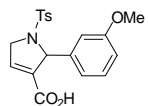


Chemical Formula: C₁₉H₁₉NO₅S
Exact Mass: 373.10
Molecular Weight: 373.42

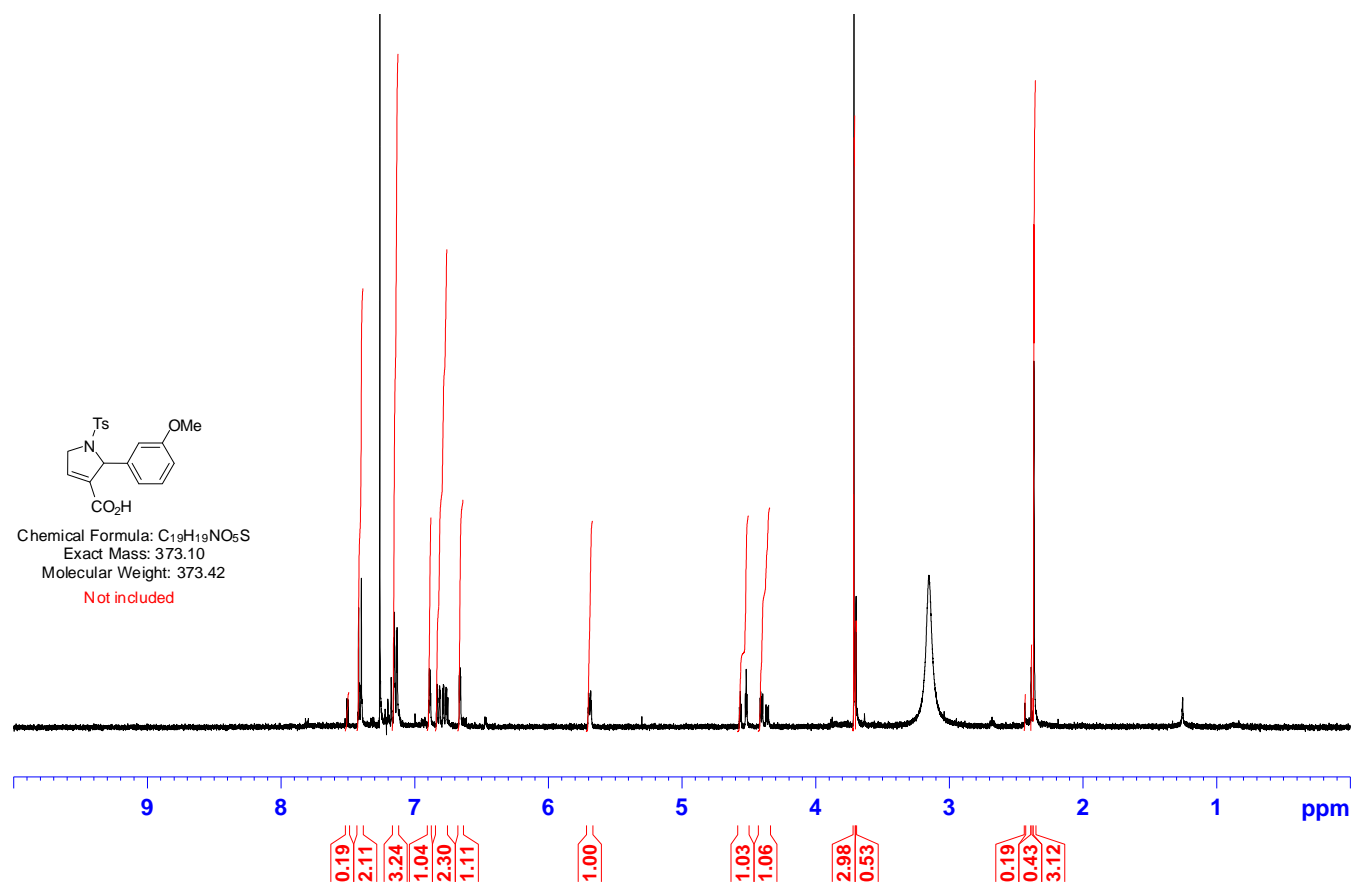
Not included



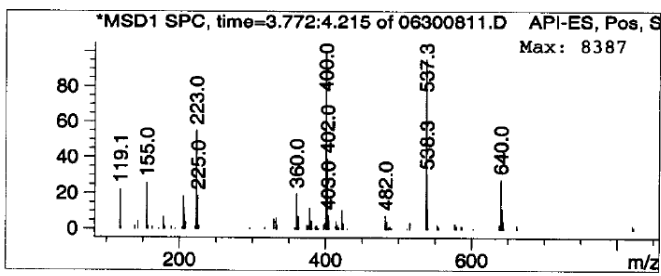
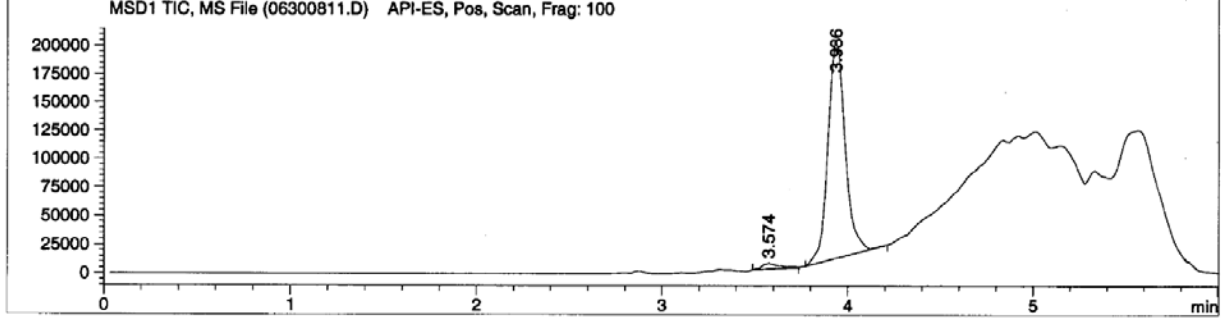
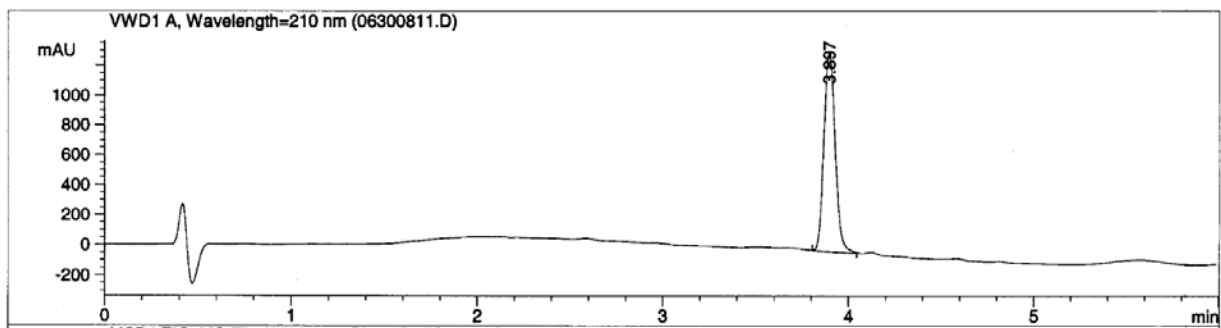
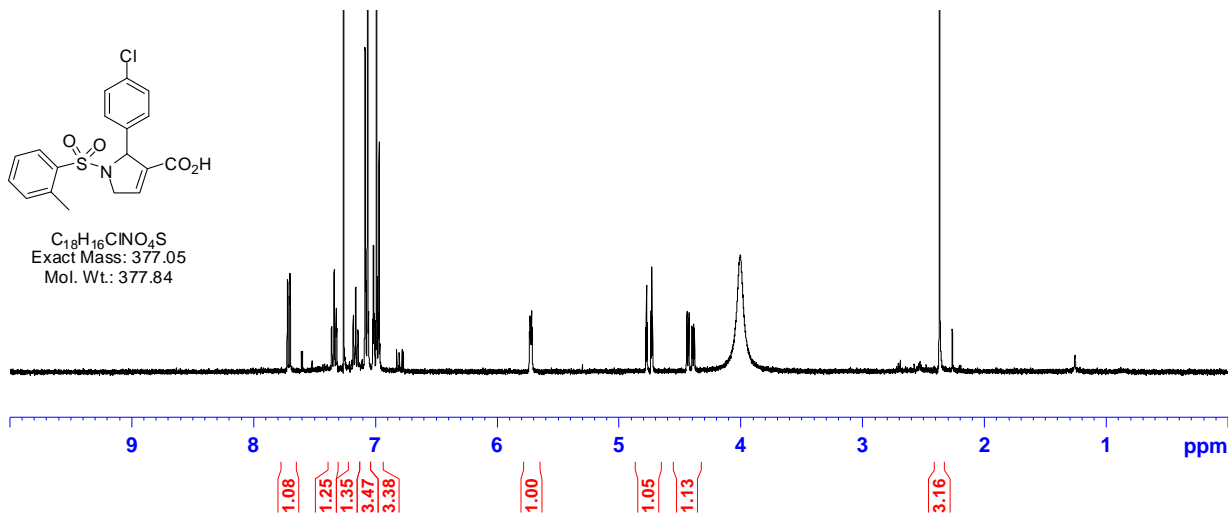
2-(3-Methoxyphenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C39)



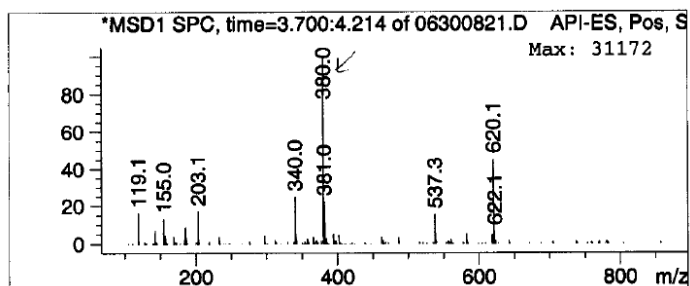
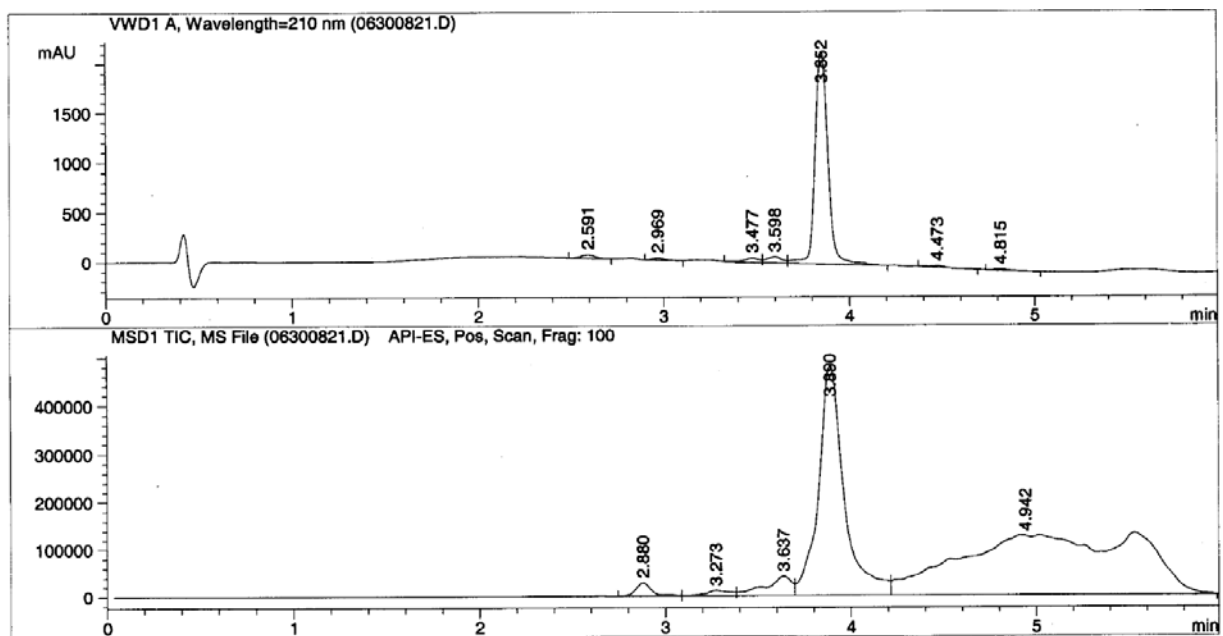
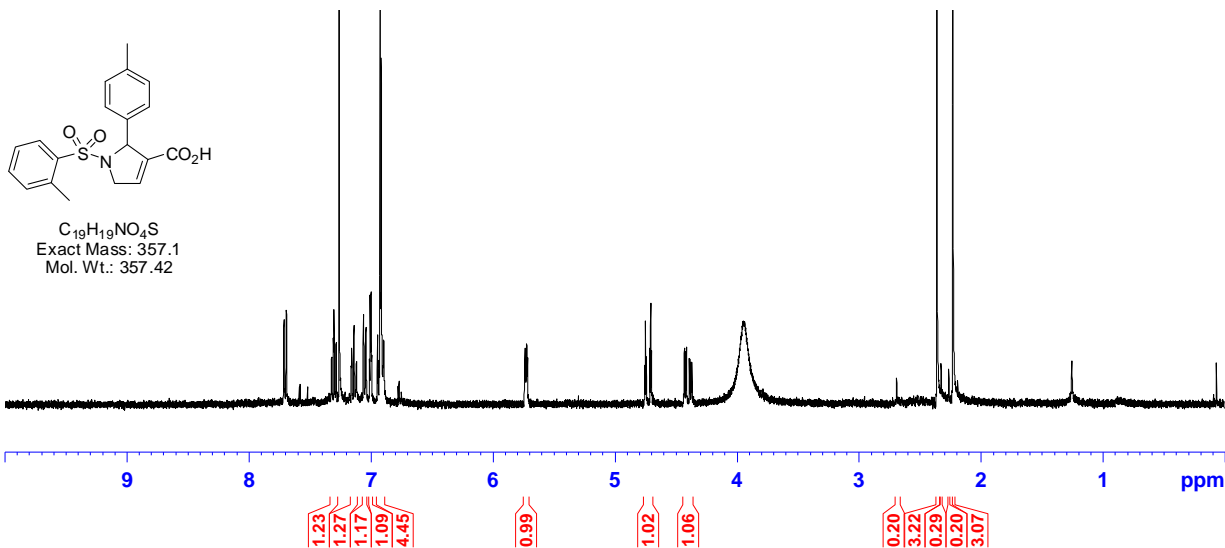
Chemical Formula: C₁₉H₁₉NO₅S
Exact Mass: 373.10
Molecular Weight: 373.42
Not included



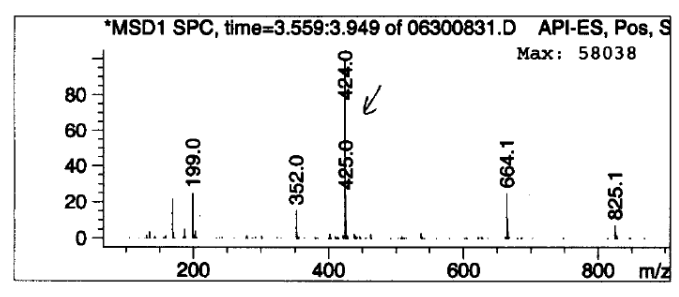
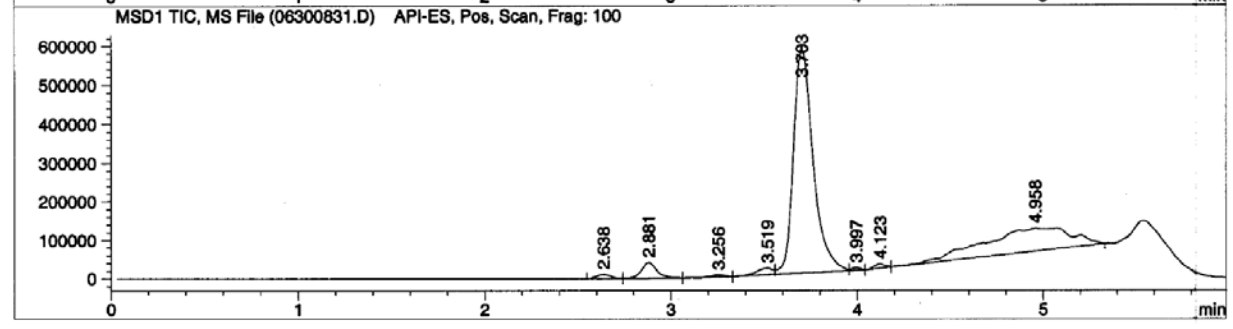
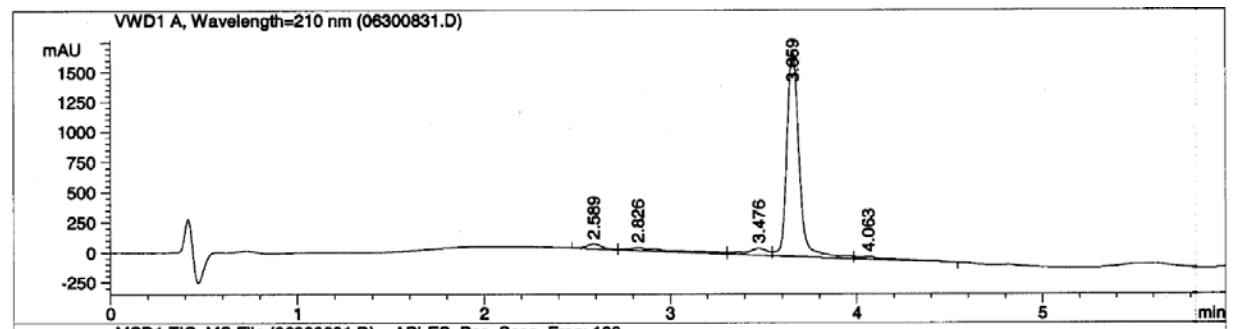
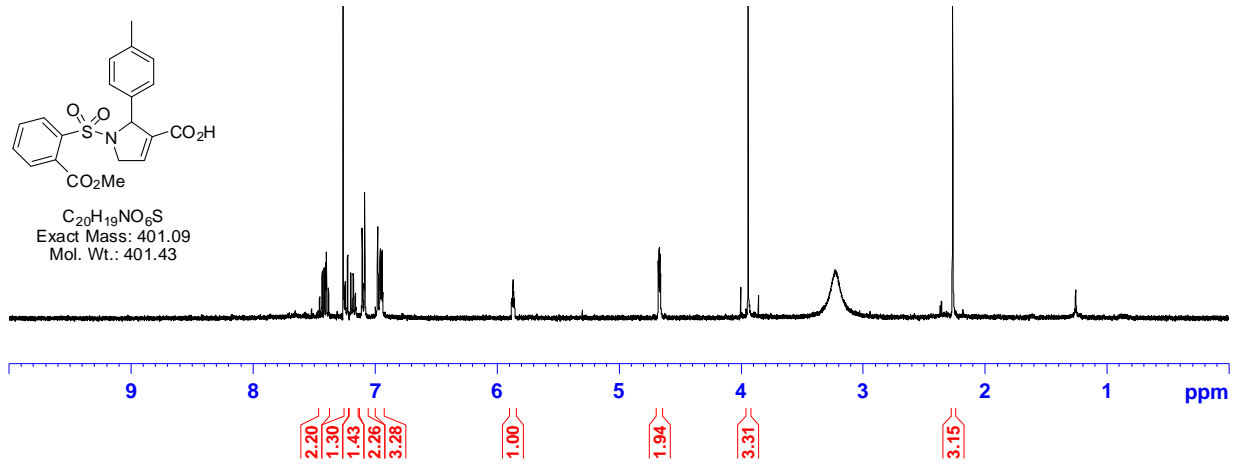
2-(4-Chlorophenyl)-1-(*o*-tolylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C40)



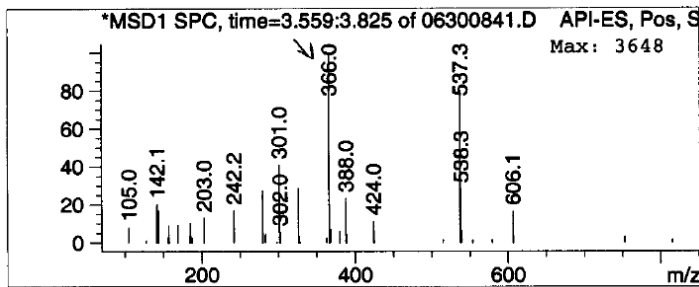
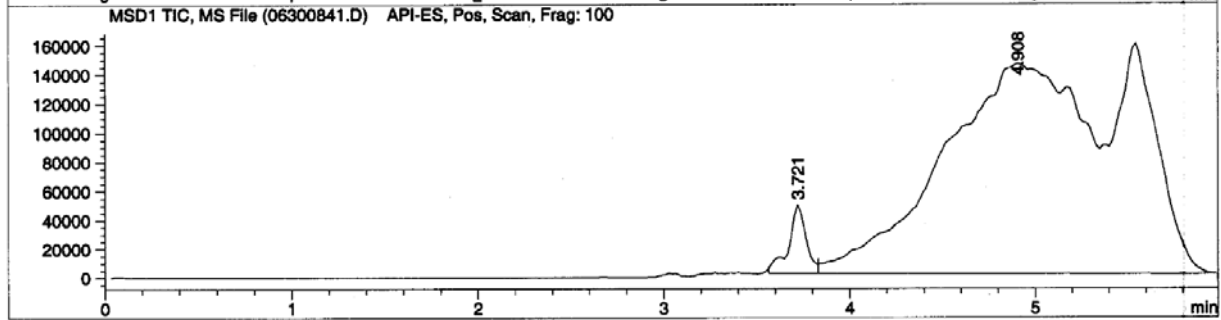
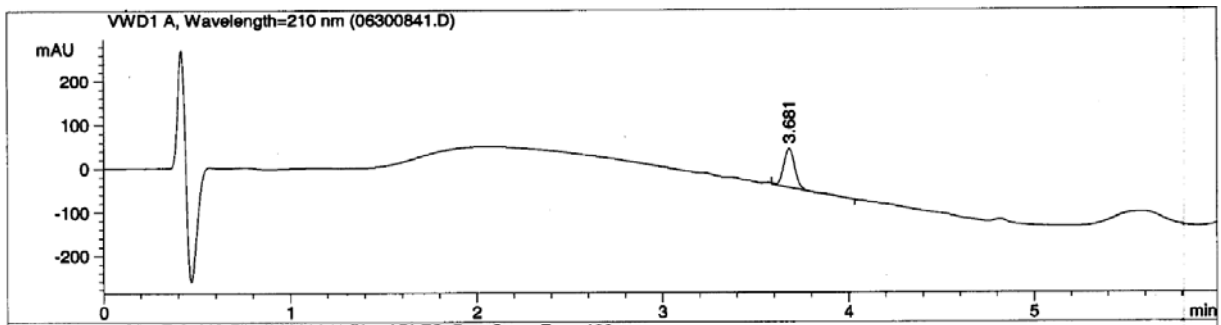
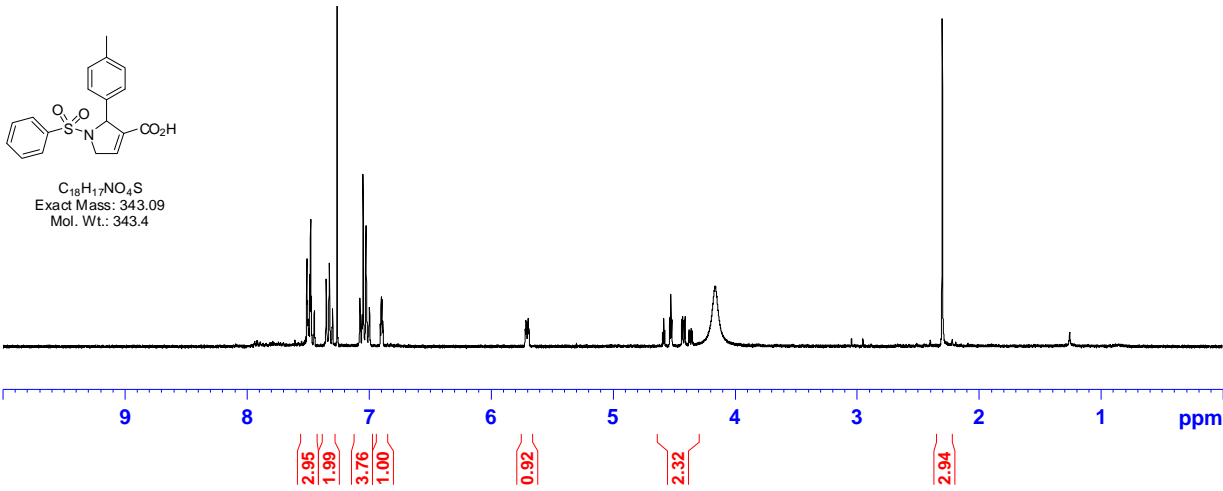
2-(*p*-Tolyl)-1-(*o*-tolylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C41)



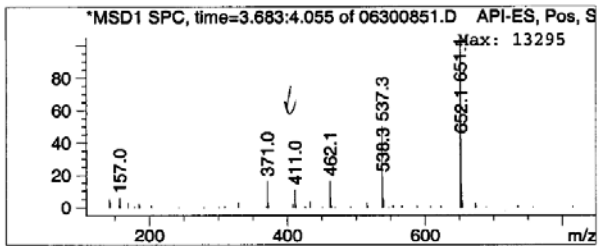
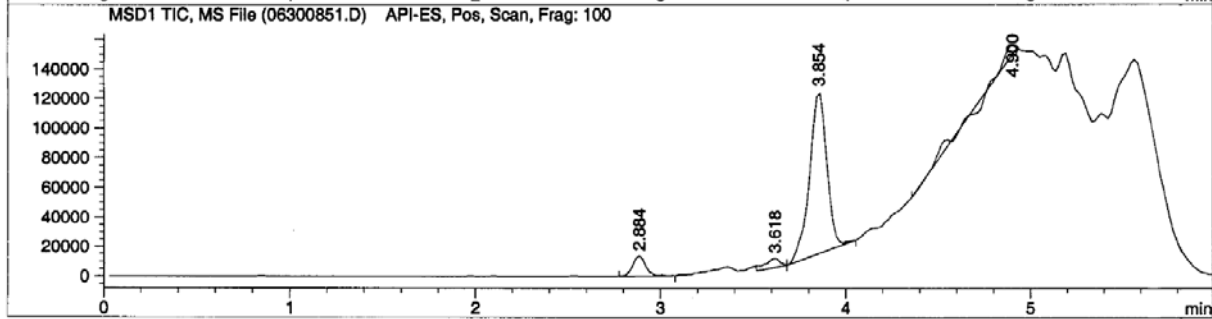
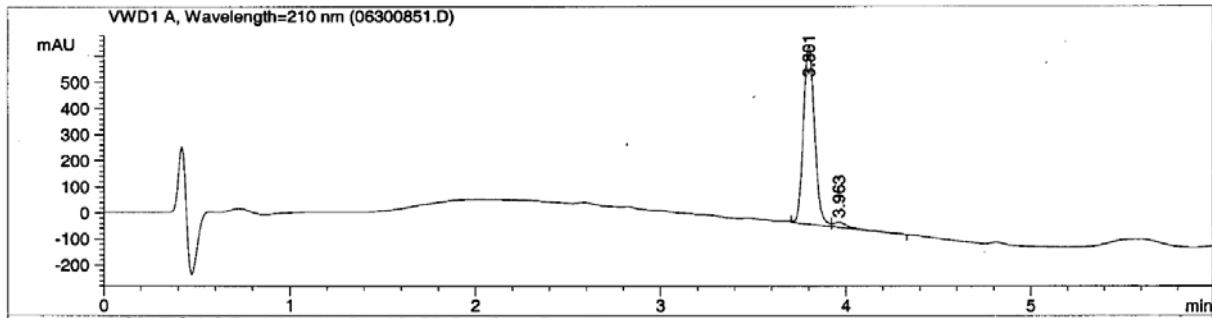
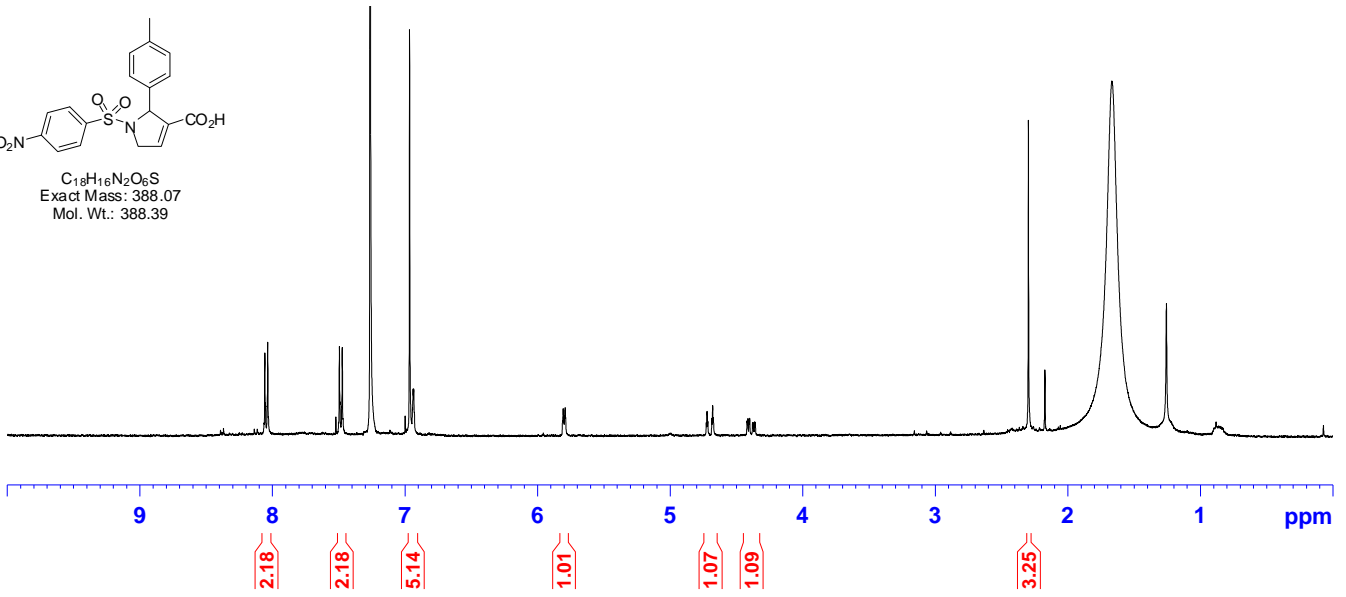
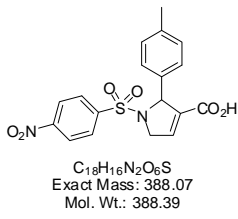
1-(2-(Methoxycarbonyl)phenylsulfonyl)-2-(*p*-tolyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C42)



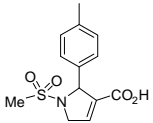
1-(Phenylsulfonyl)-2-(*p*-tolyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C43)



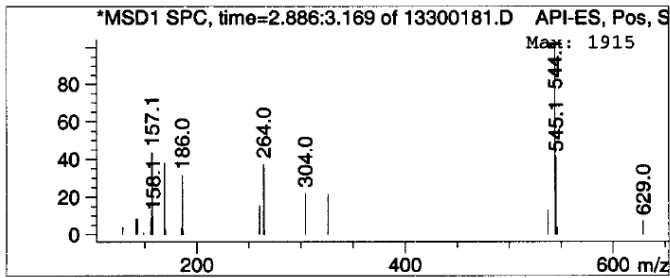
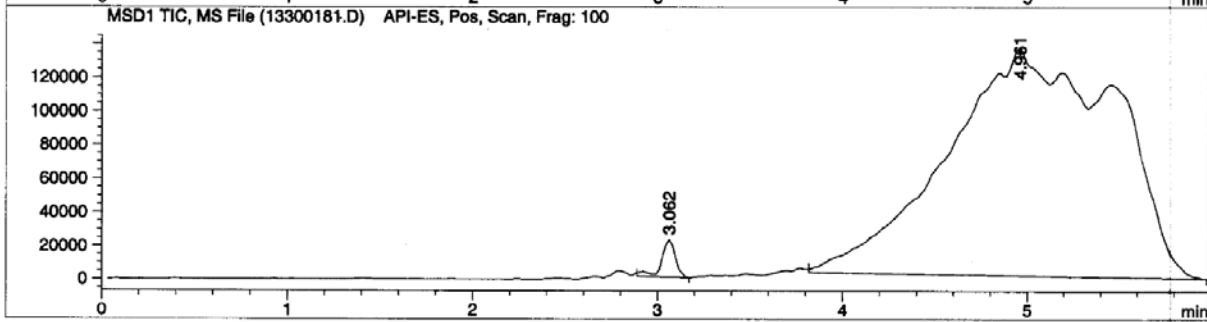
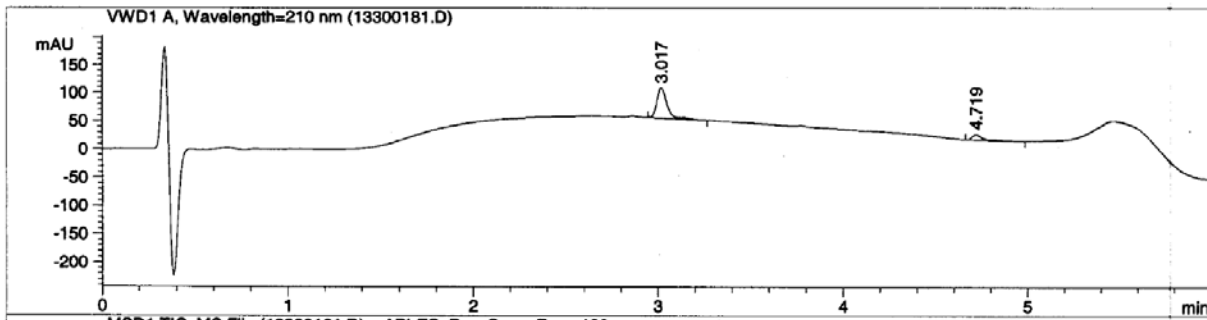
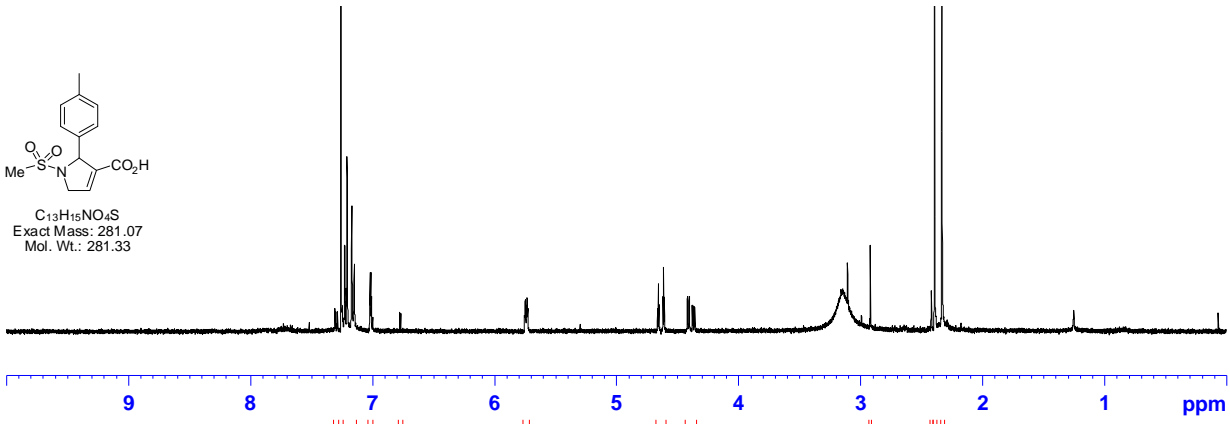
1-(4-Nitrophenylsulfonyl)-2-(*p*-tolyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C44)



1-(Methylsulfonyl)-2-(*p*-tolyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A01C46)

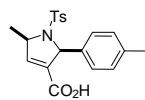


C₁₃H₁₅NO₄S
Exact Mass: 281.07
Mol. Wt.: 281.33

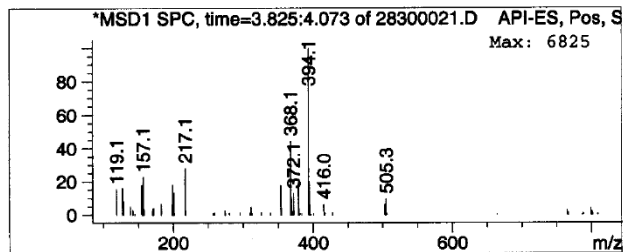
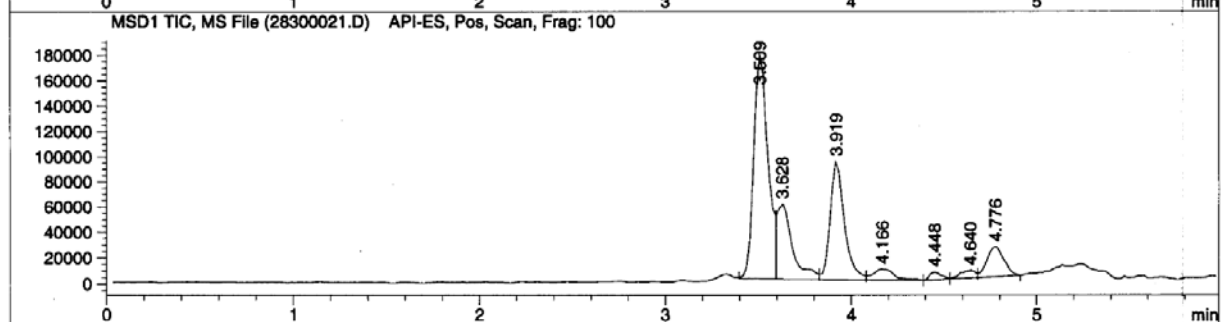
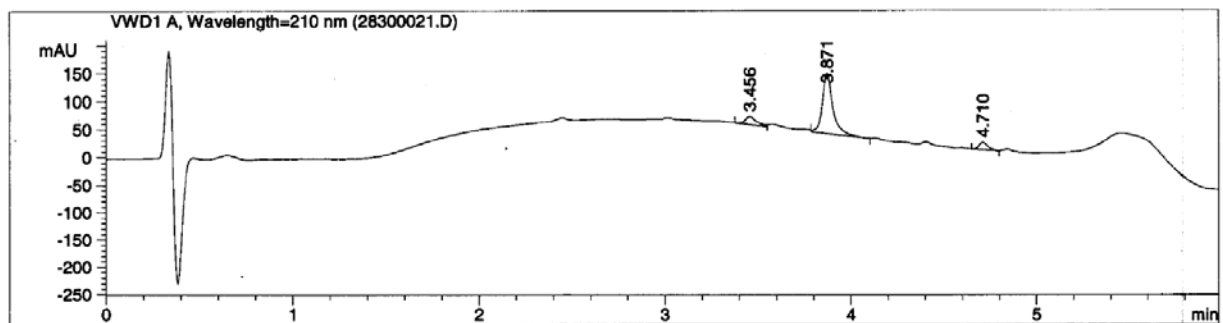
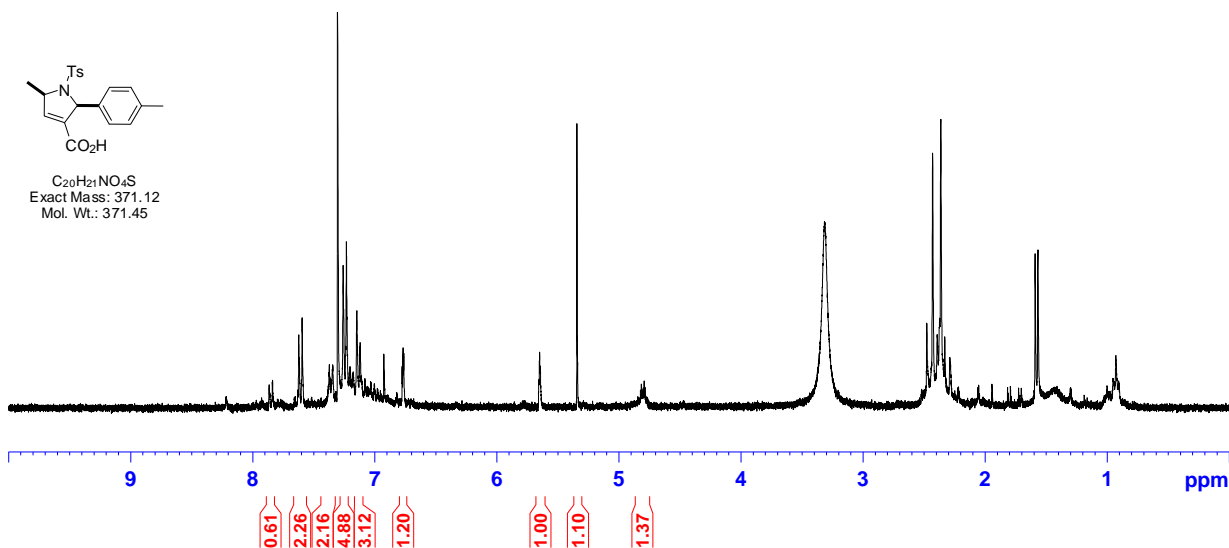


Spectral Data for Table 4

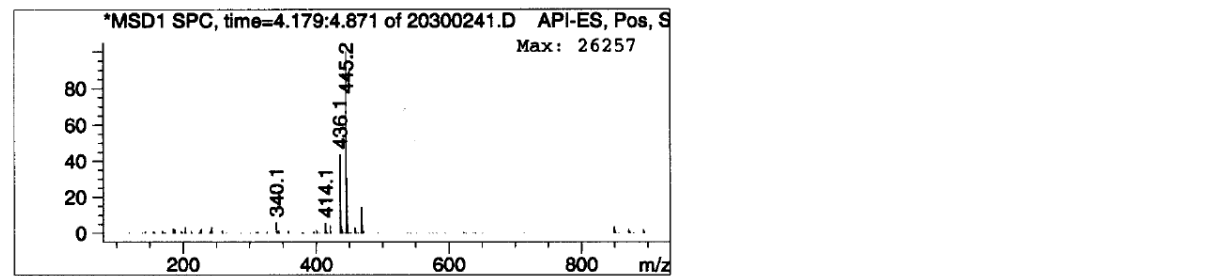
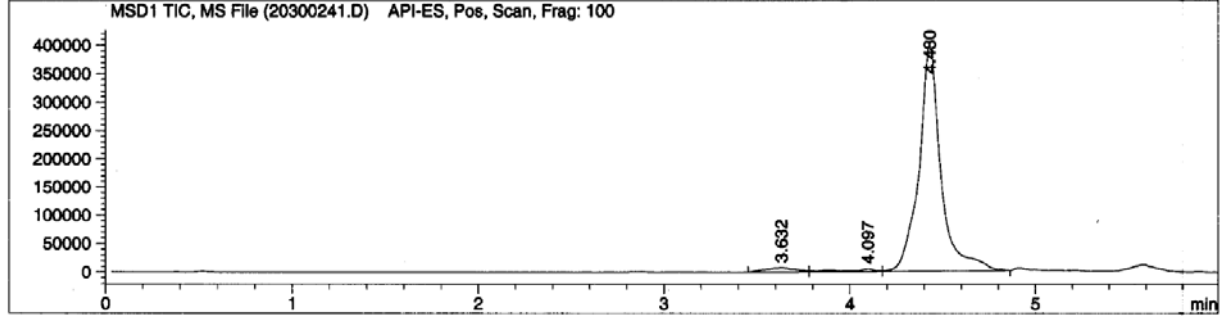
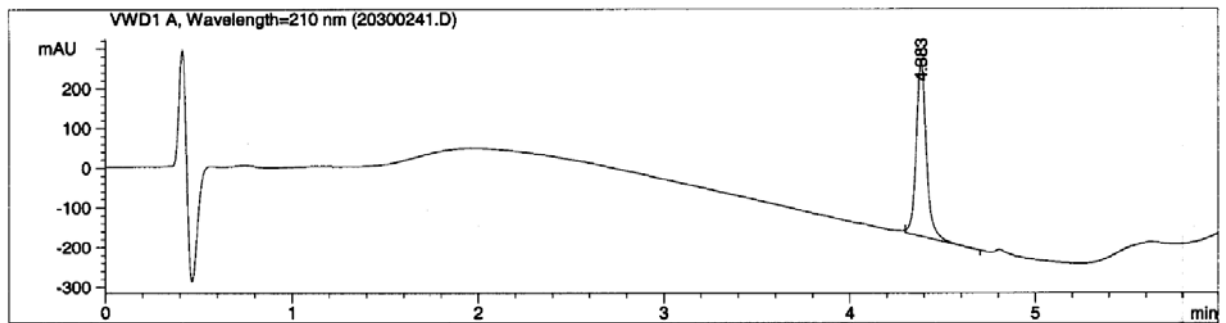
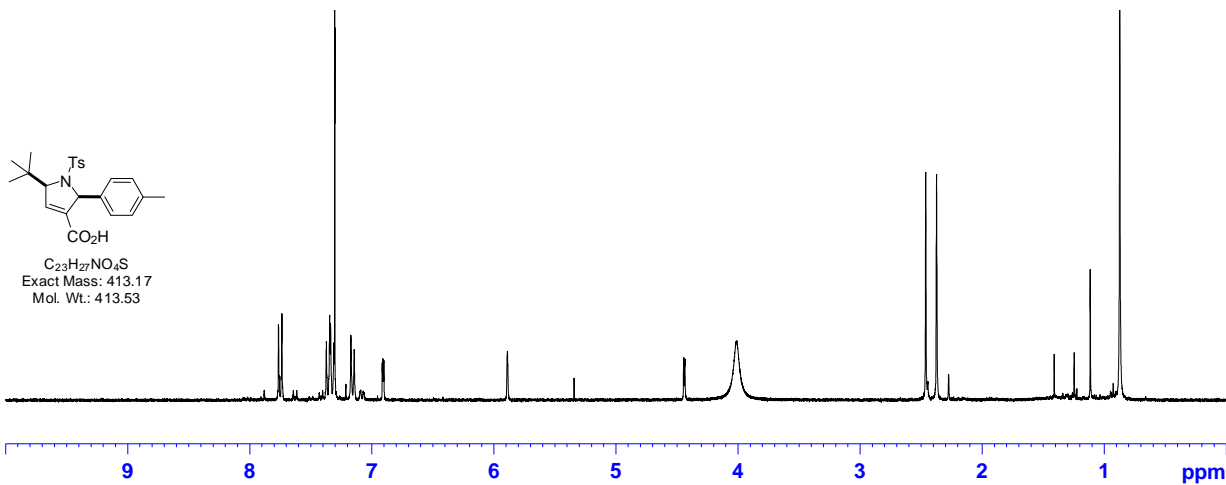
5-Methyl-2-(*p*-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A02C02)



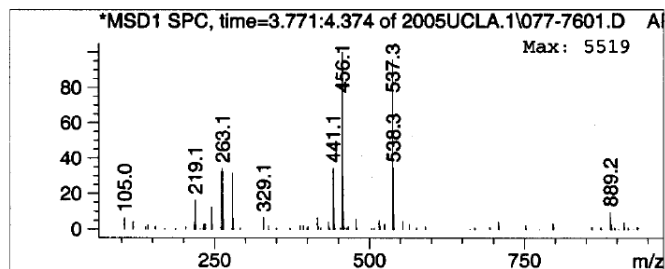
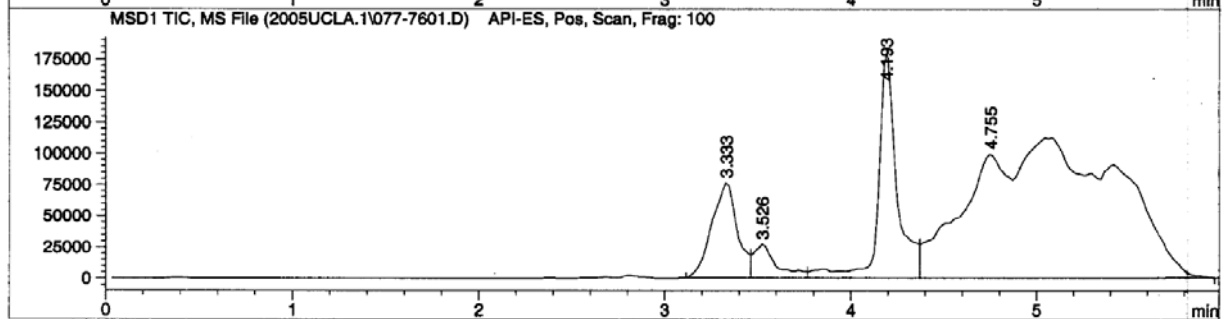
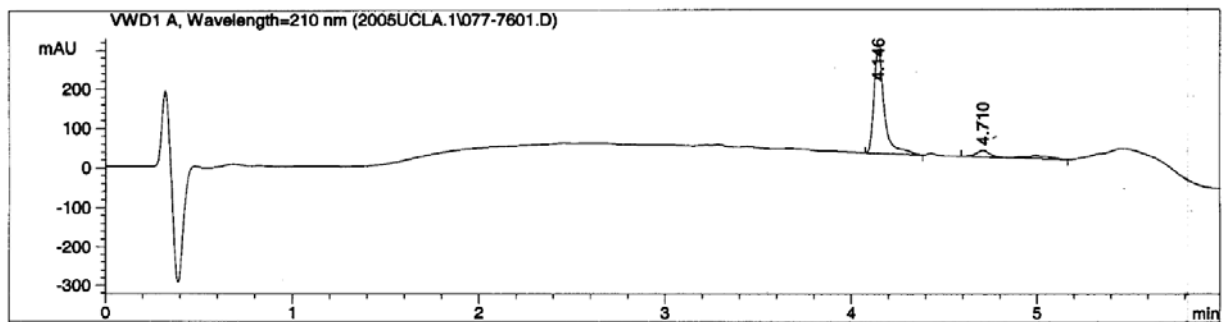
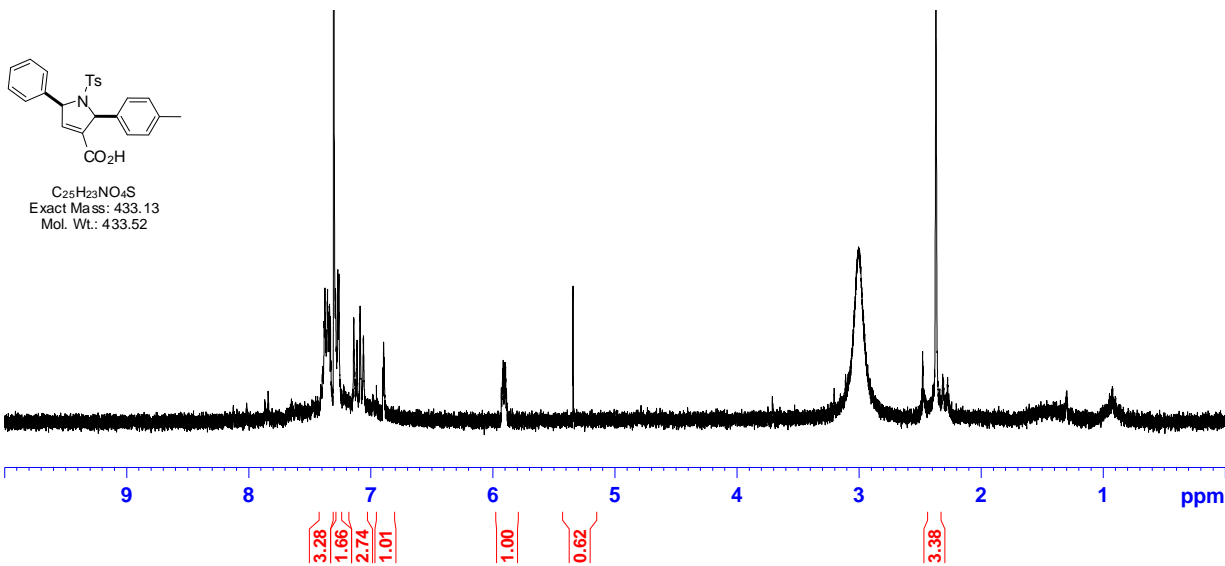
C₂₀H₂₁NO₄S
Exact Mass: 371.12
Mol. Wt.: 371.45



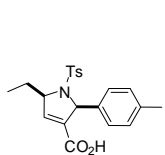
5-(*Tert*-butyl)-2-(*p*-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A03C02)



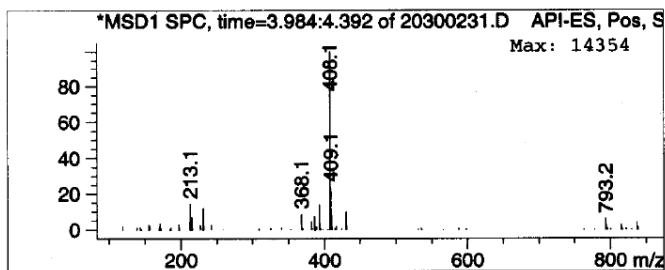
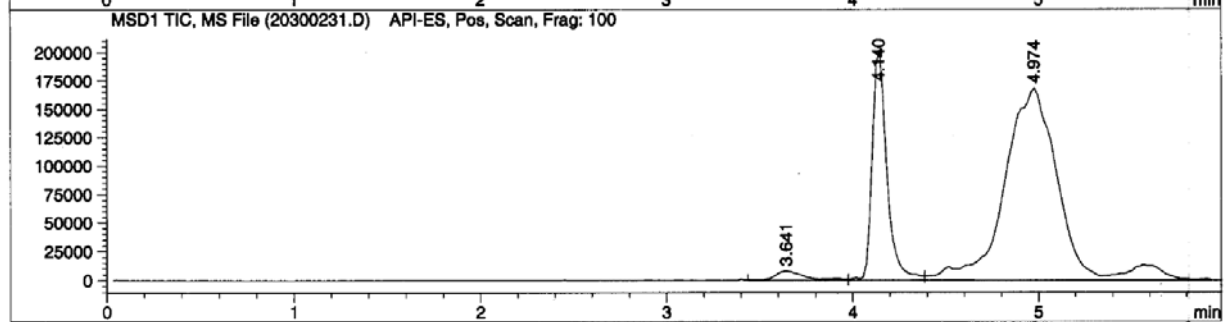
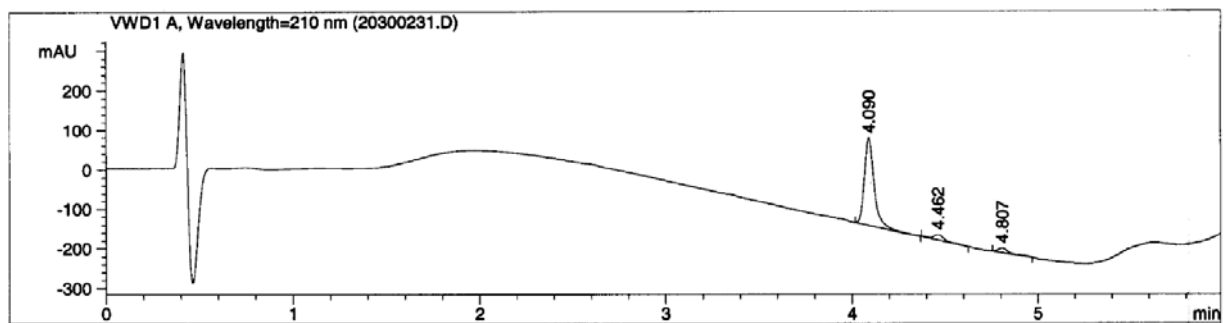
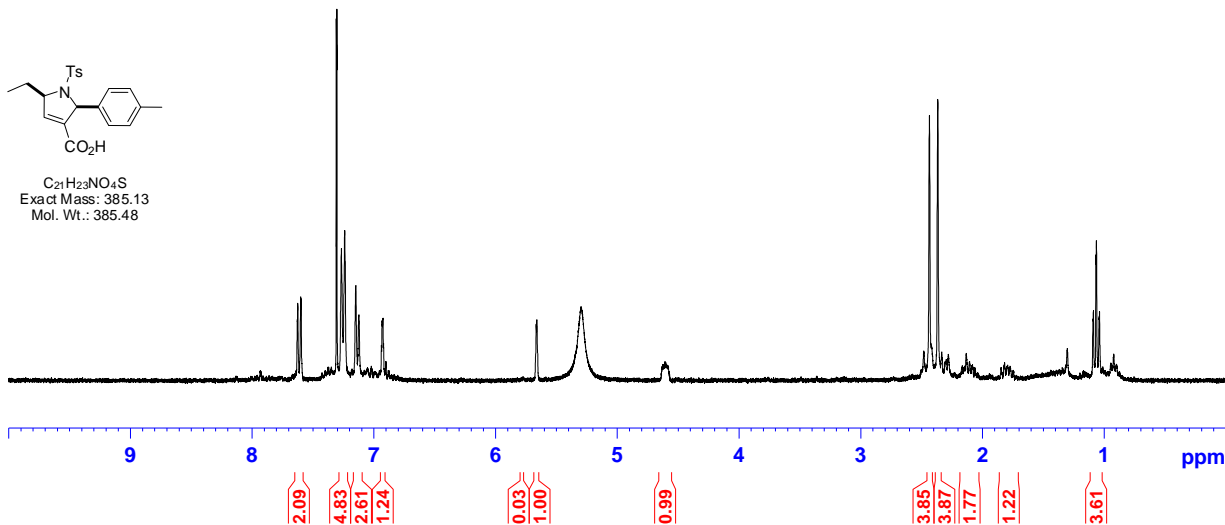
5-Phenyl-2-(*p*-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A04C02)



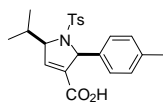
5-Ethyl-2-(p-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C02)



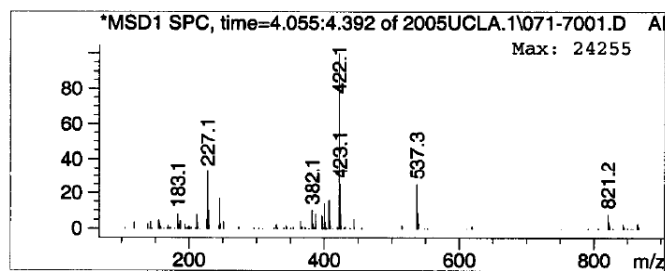
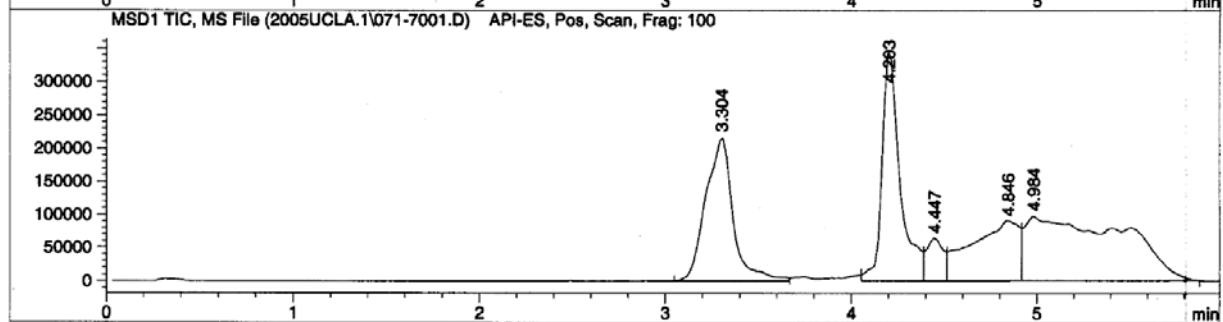
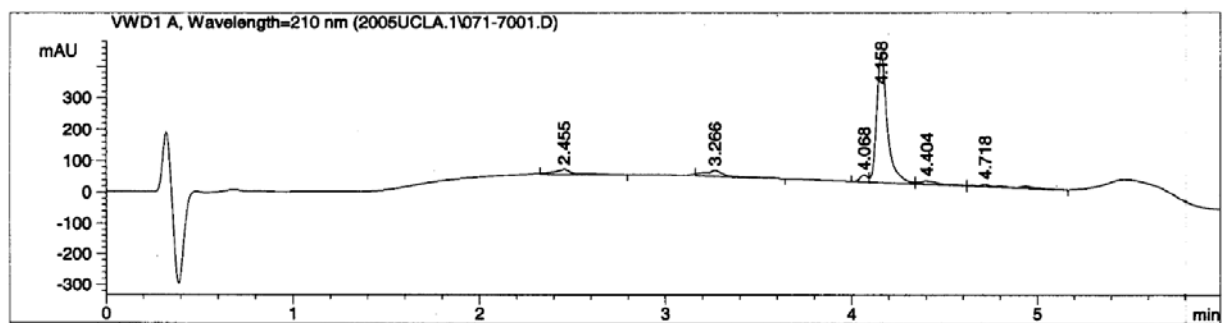
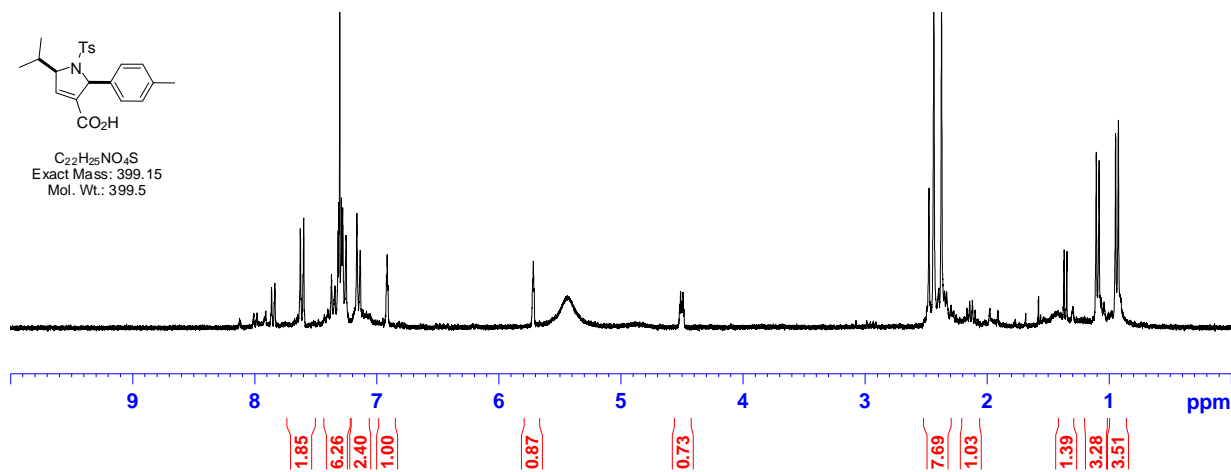
C₂₁H₂₃NO₄S
 Exact Mass: 385.13
 Mol. Wt.: 385.48



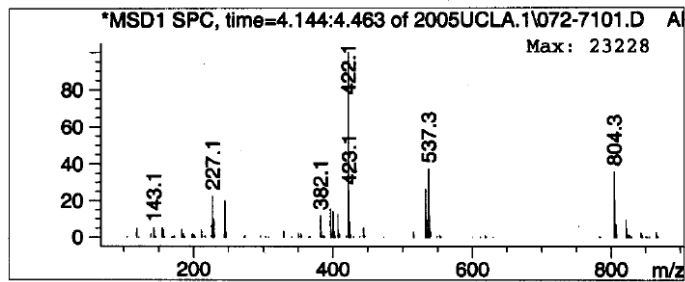
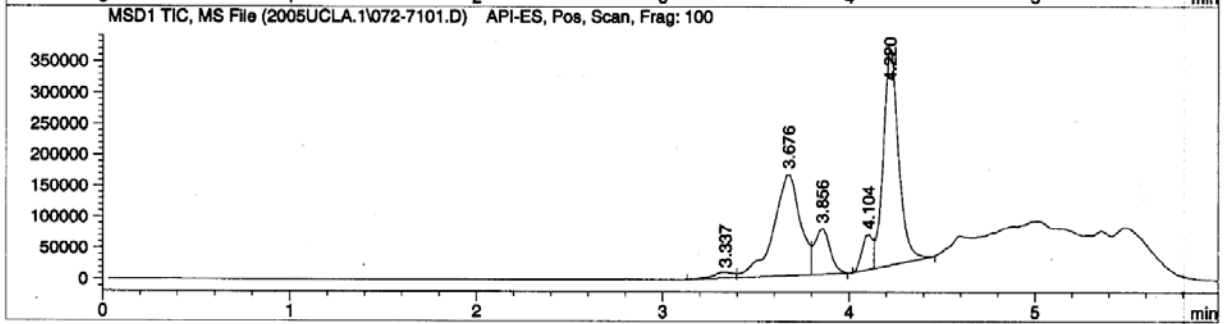
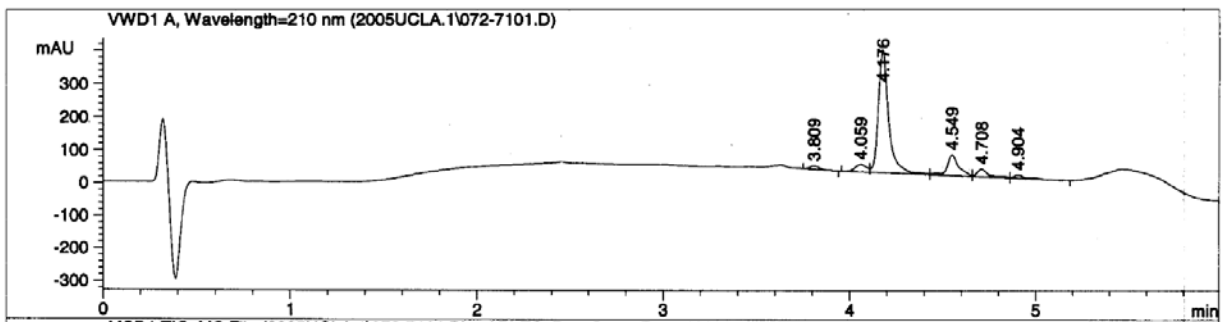
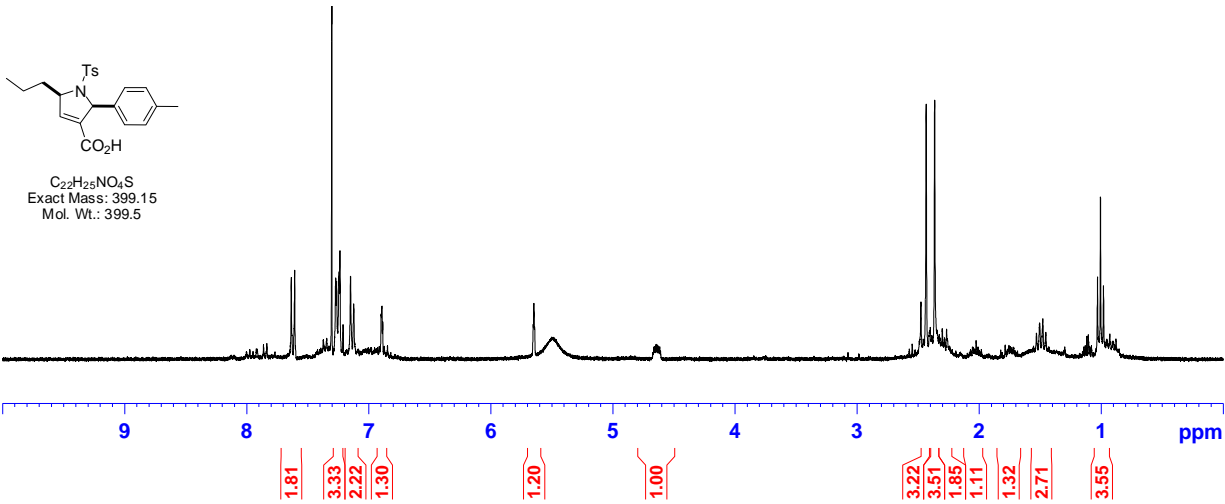
5-Isopropyl-2-(*p*-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A06C02)



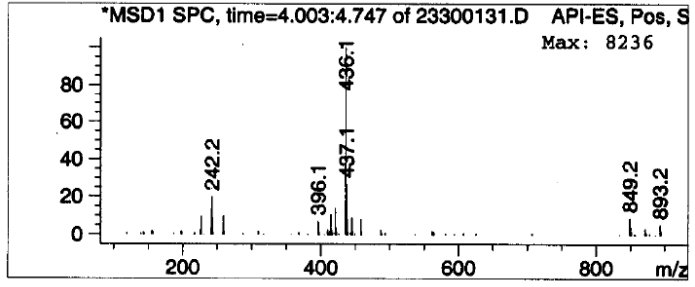
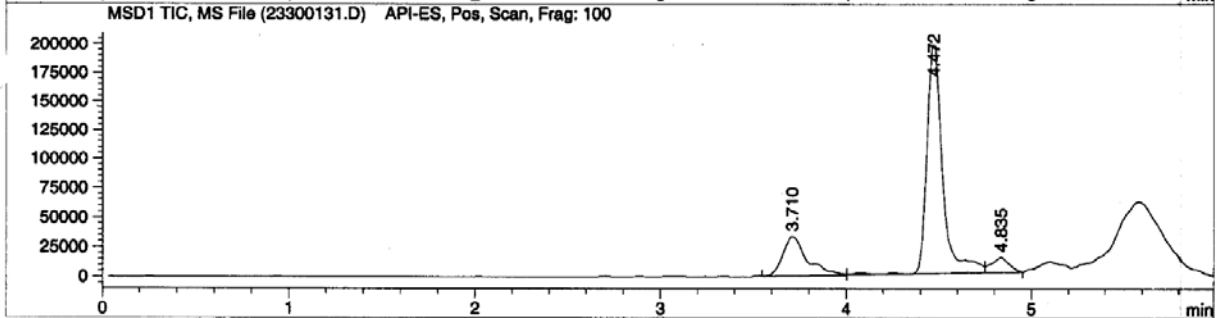
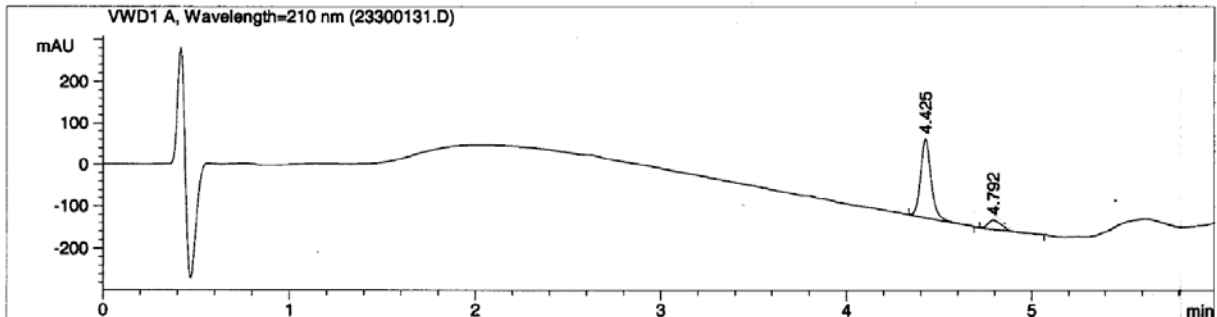
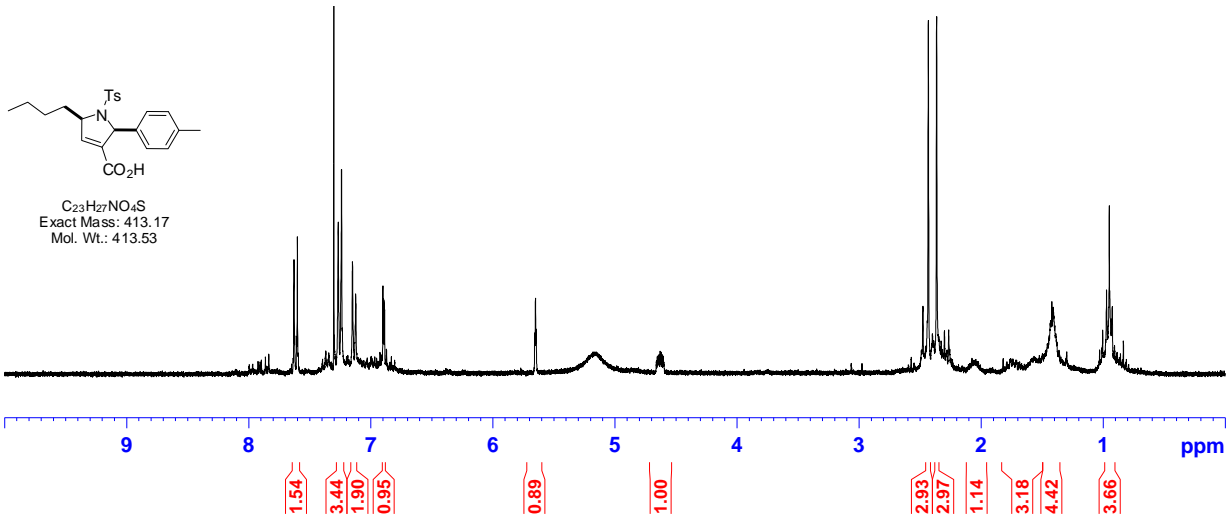
C₂₂H₂₅NO₄S
Exact Mass: 399.15
Mol. Wt.: 399.5



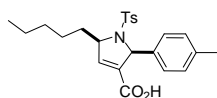
5-Propyl-2-(p-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A07C02)



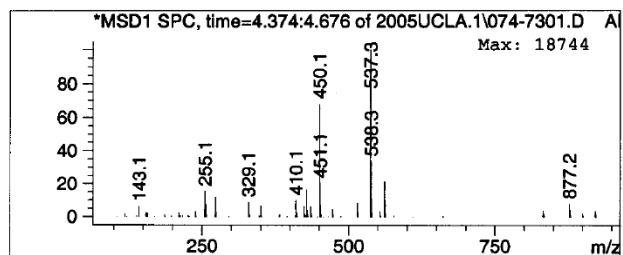
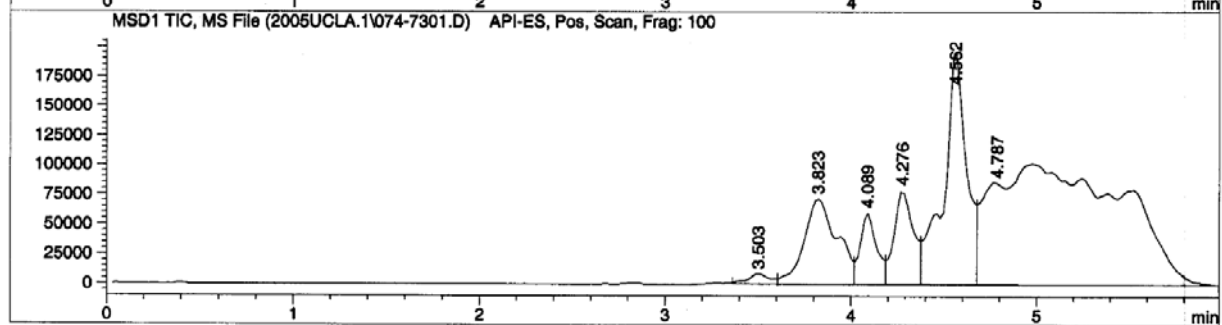
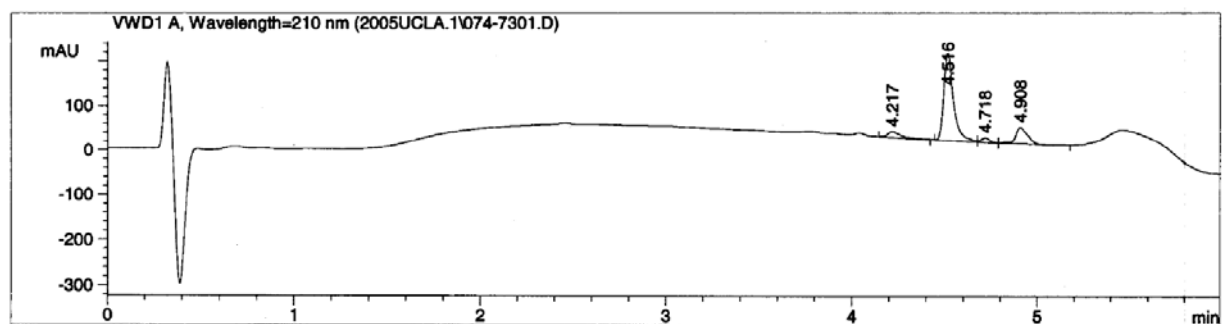
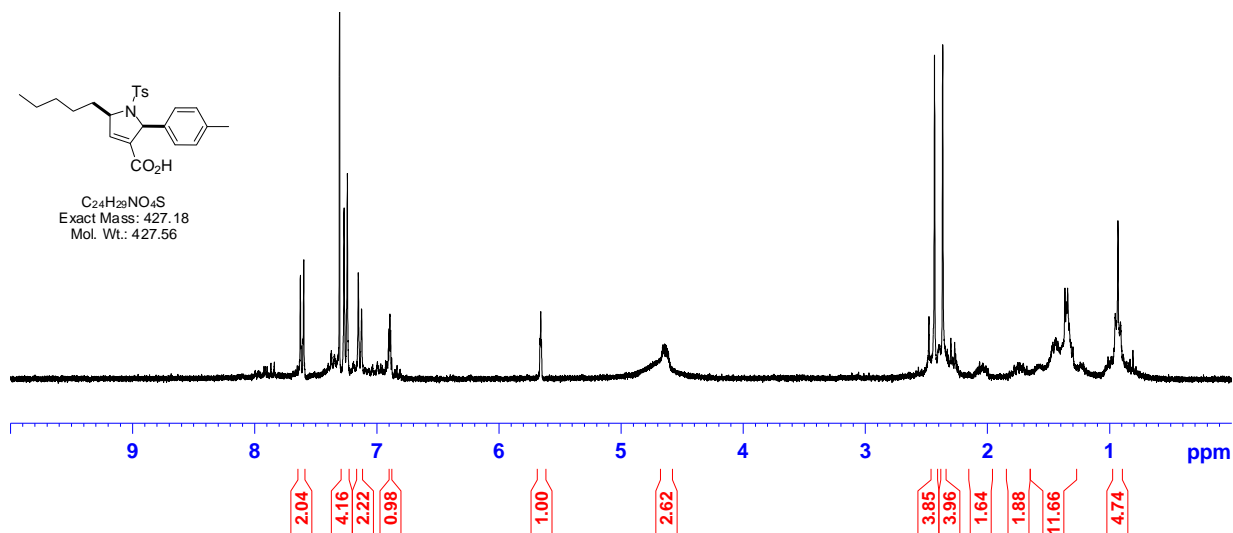
5-Butyl-2-(p-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A08C02)



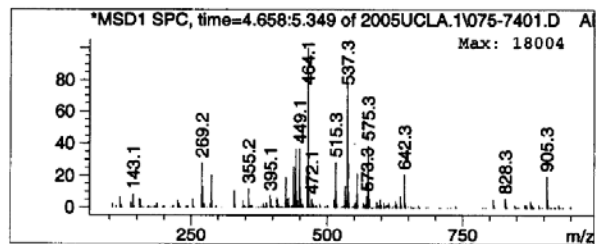
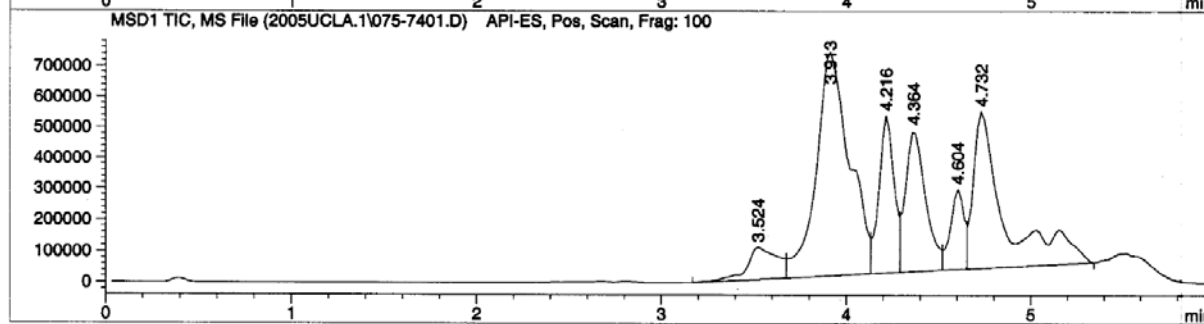
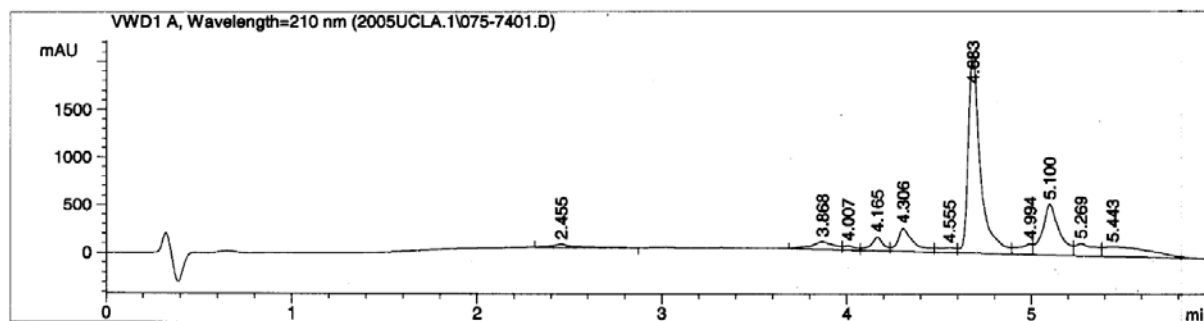
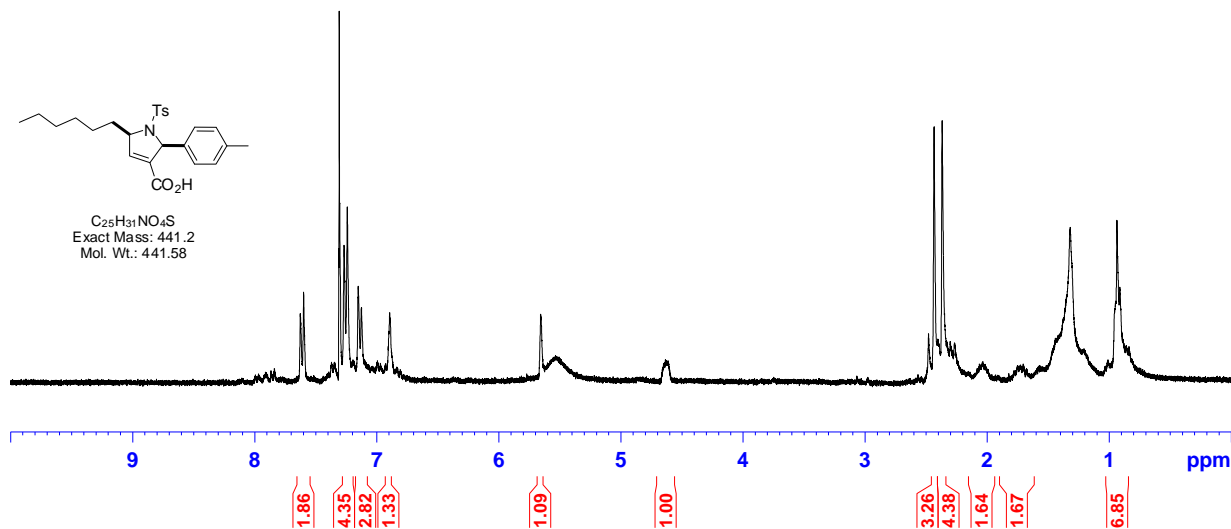
5-Pentyl-2-(*p*-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A09C02)



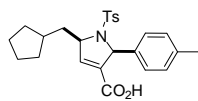
C₂₄H₂₉NO₄S
 Exact Mass: 427.18
 Mol. Wt.: 427.56



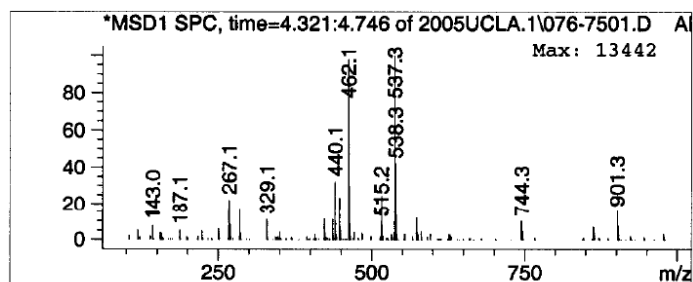
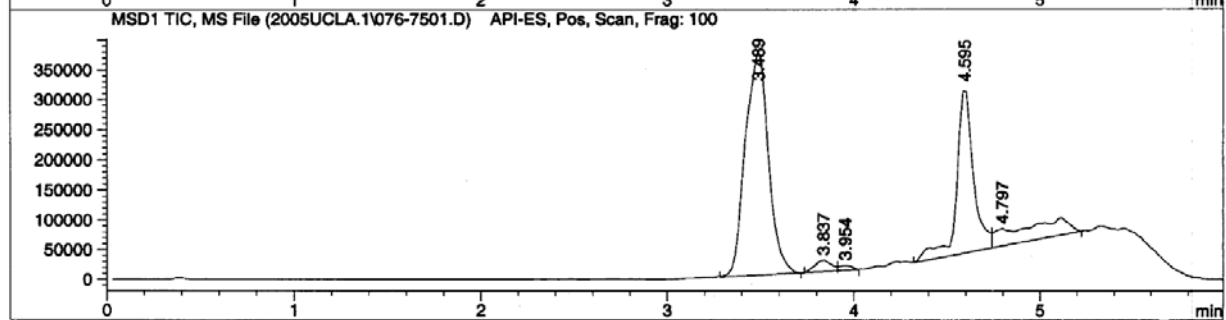
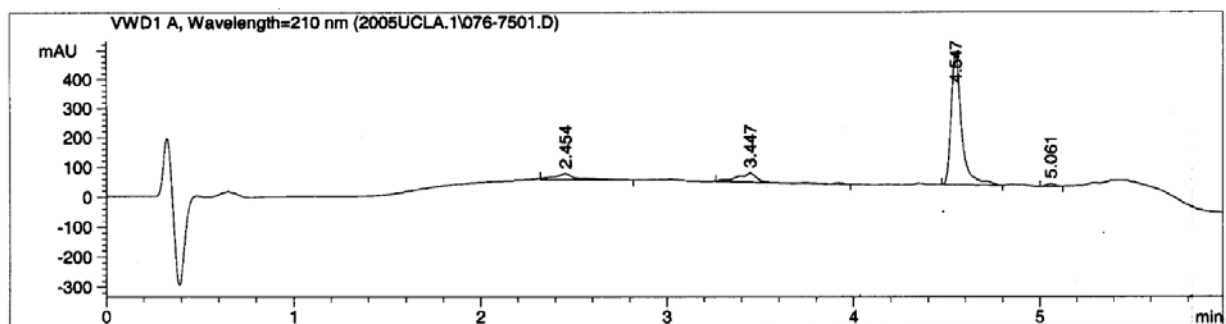
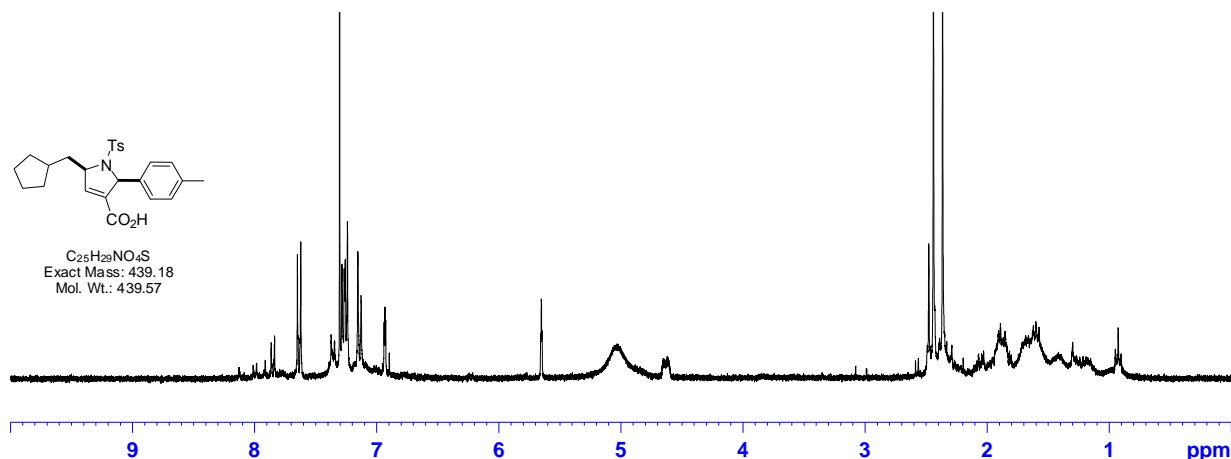
5-Hexyl-2-(*p*-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A10C02)



5-(Cyclopentylmethyl)-2-(*p*-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A11C02)

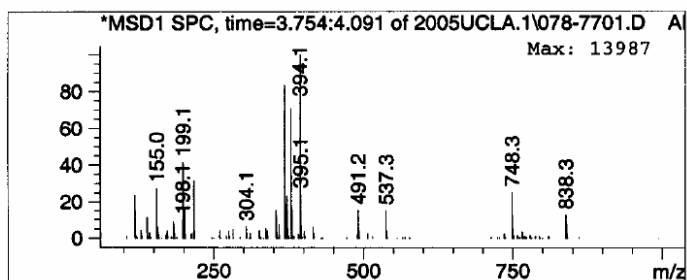
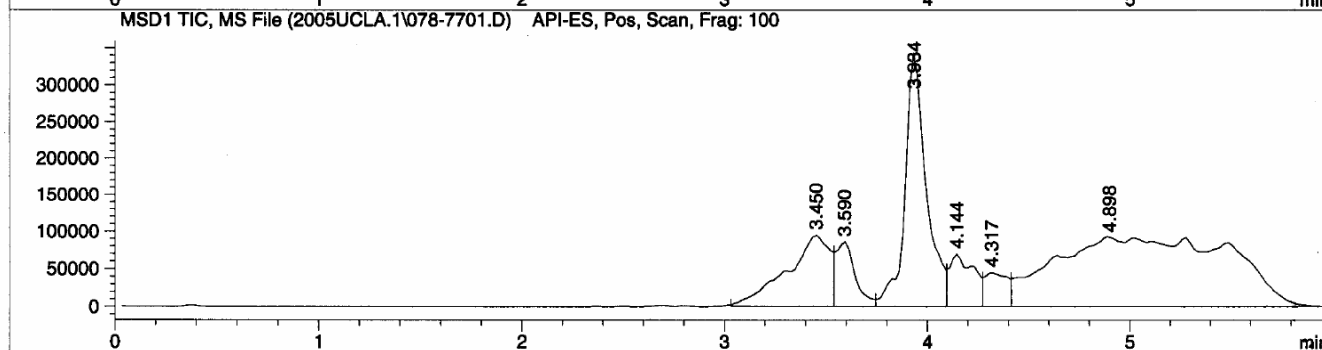
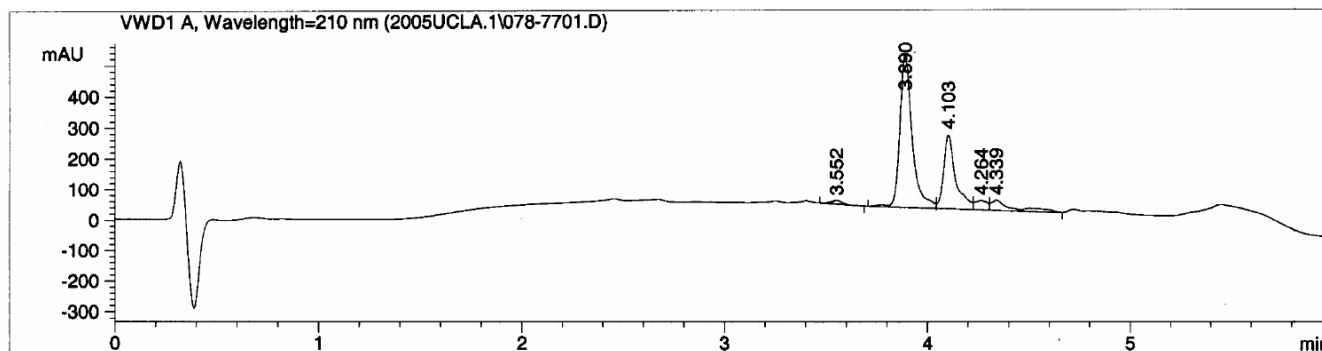
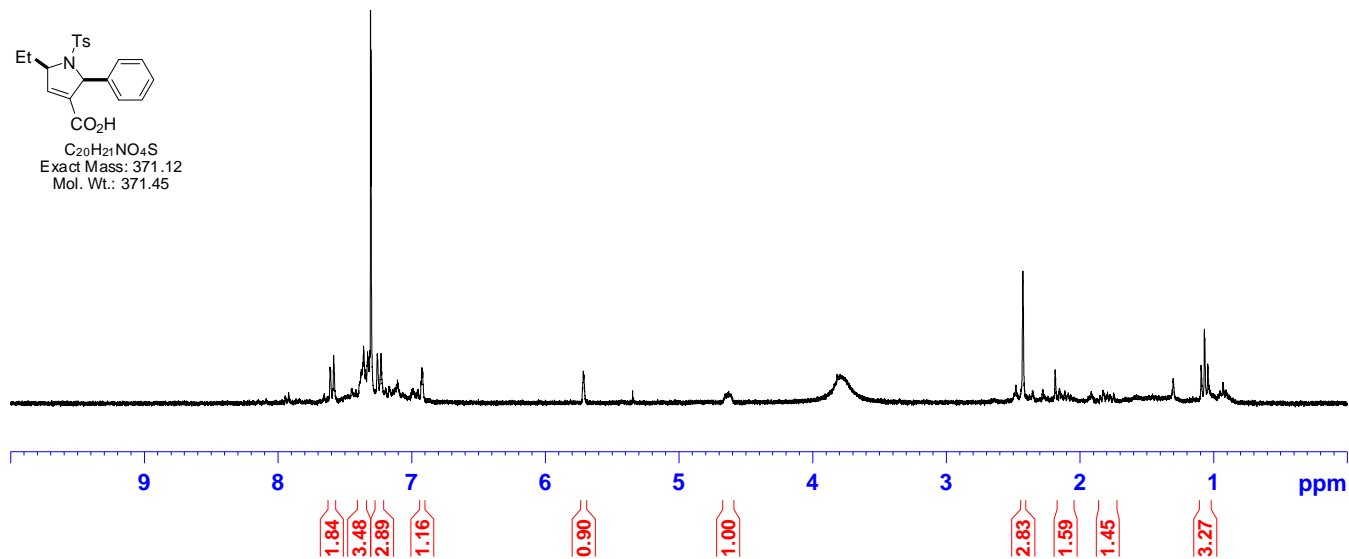
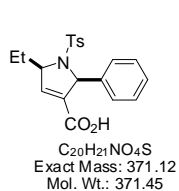


C₂₅H₂₉NO₄S
Exact Mass: 439.18
Mol. Wt.: 439.57

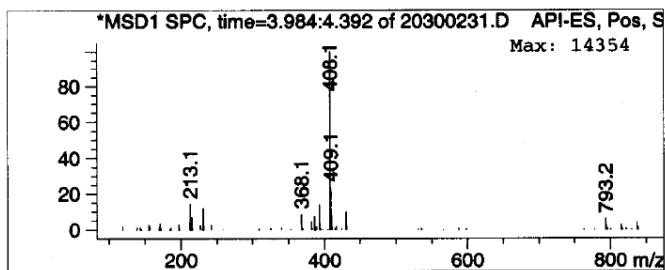
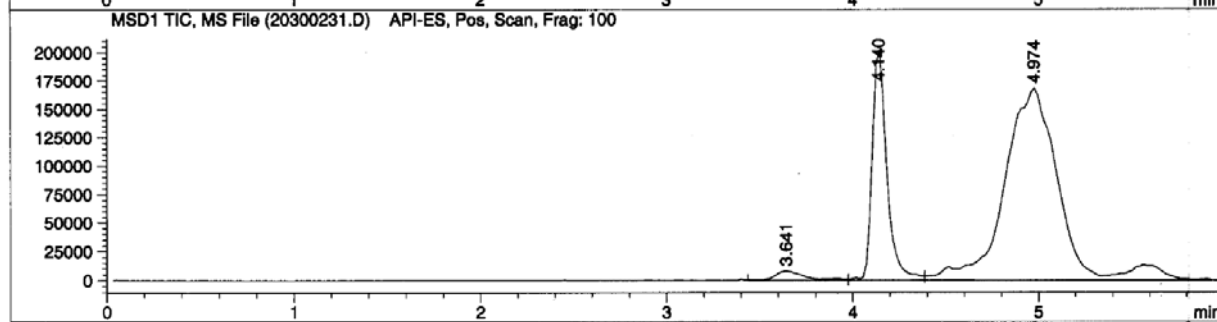
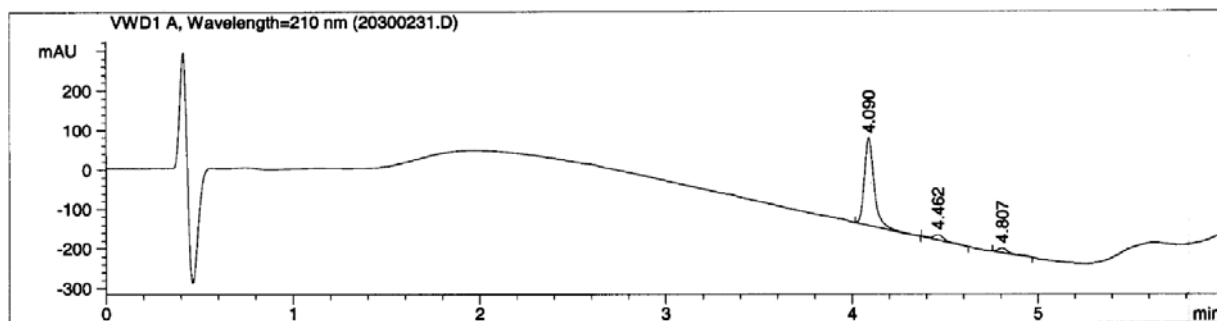
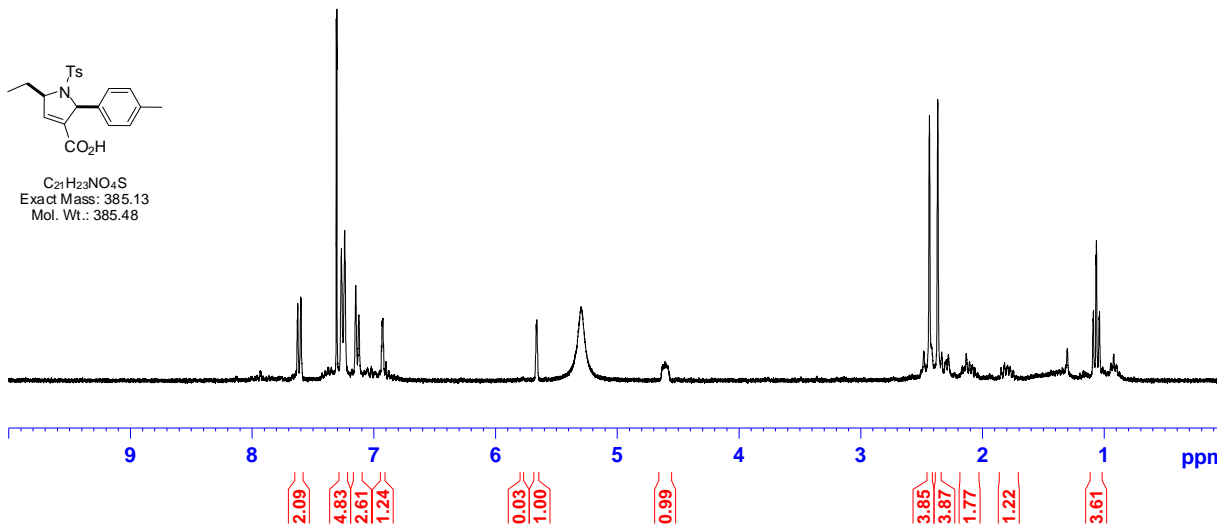


Spectral Data for Table 5

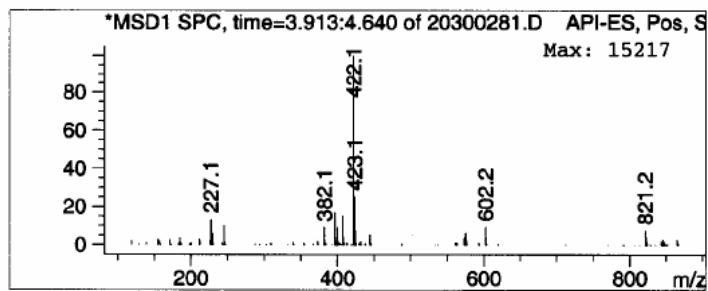
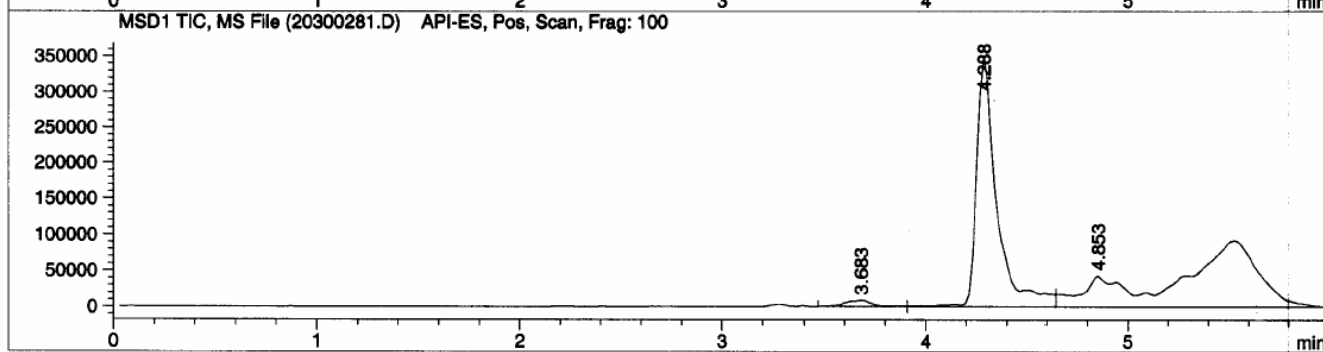
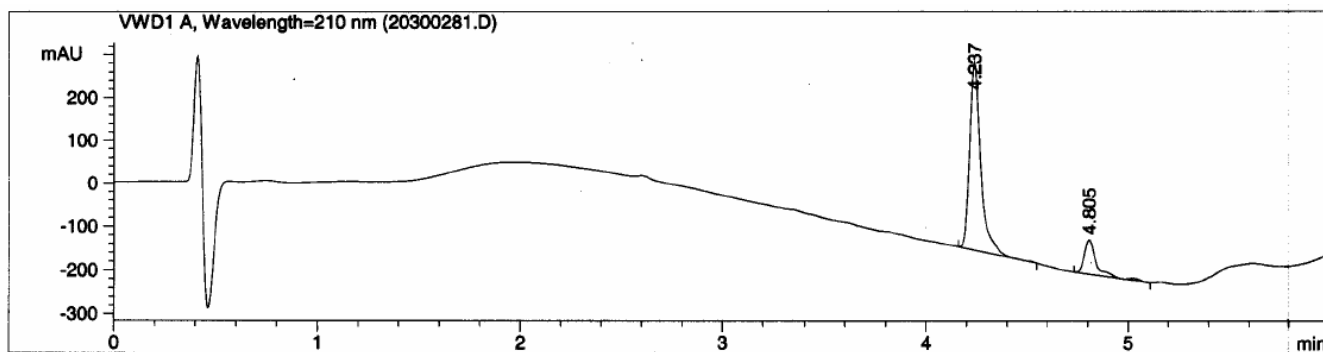
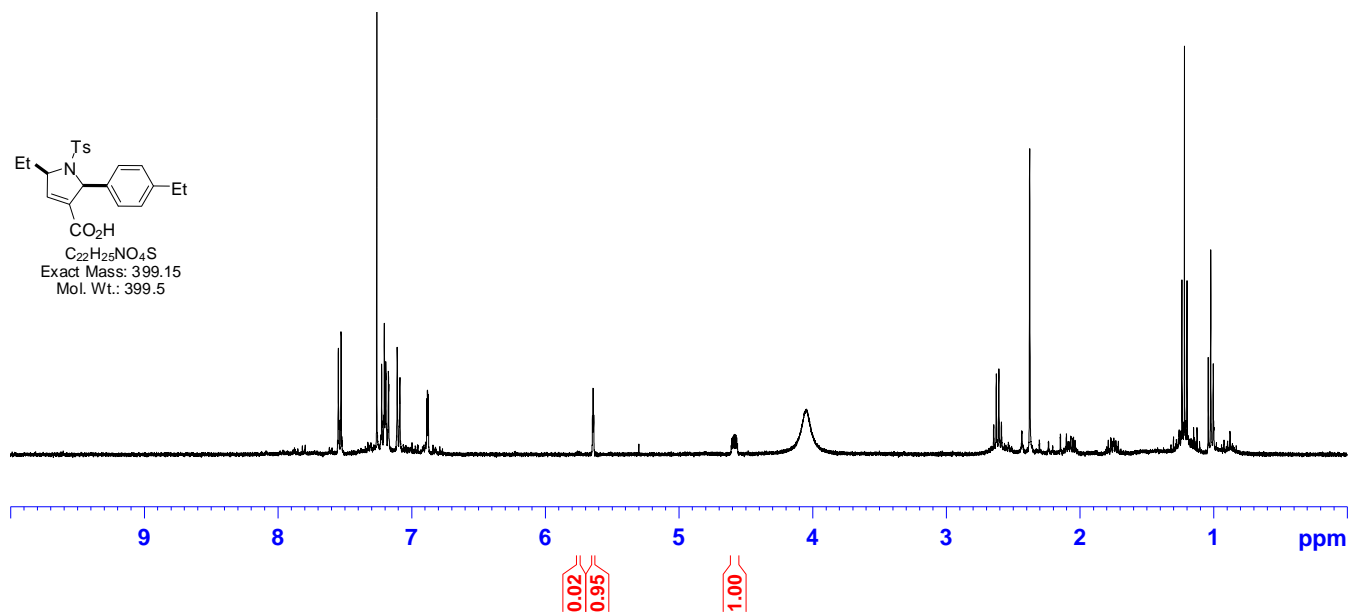
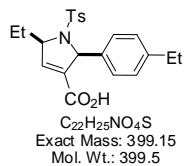
5-Ethyl-2-phenyl-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C01)



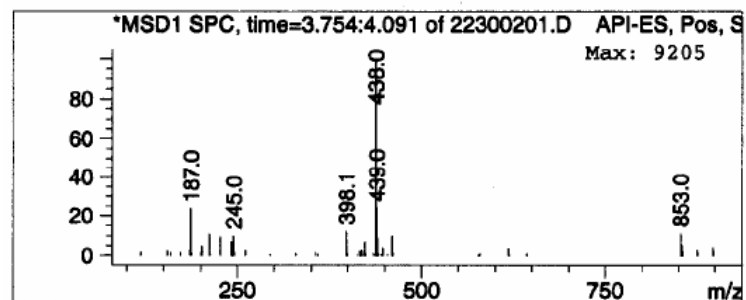
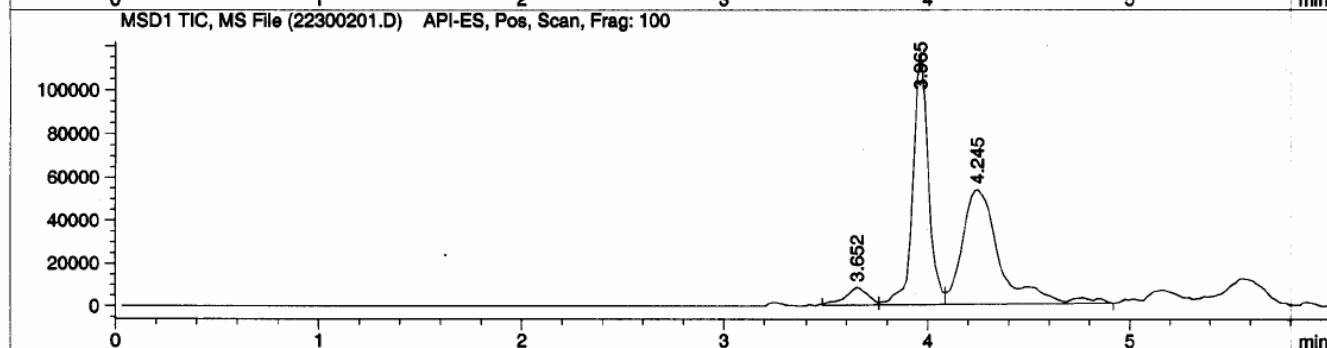
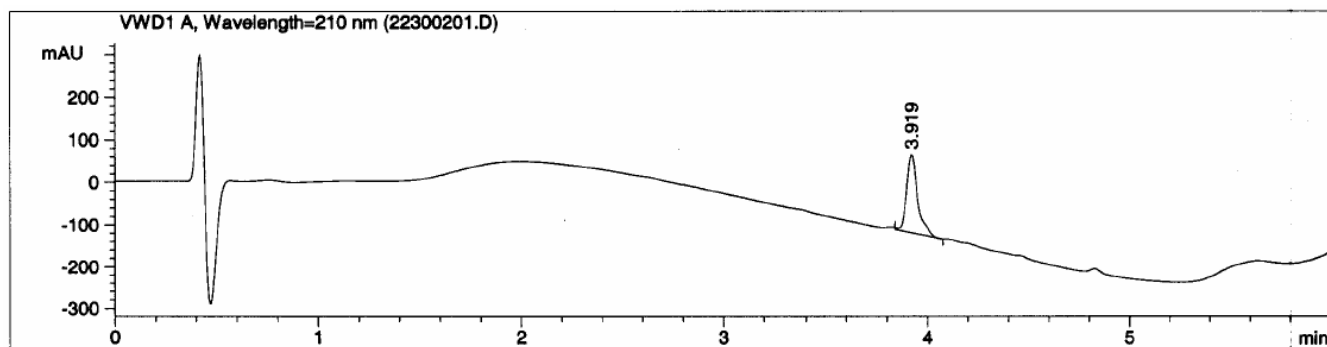
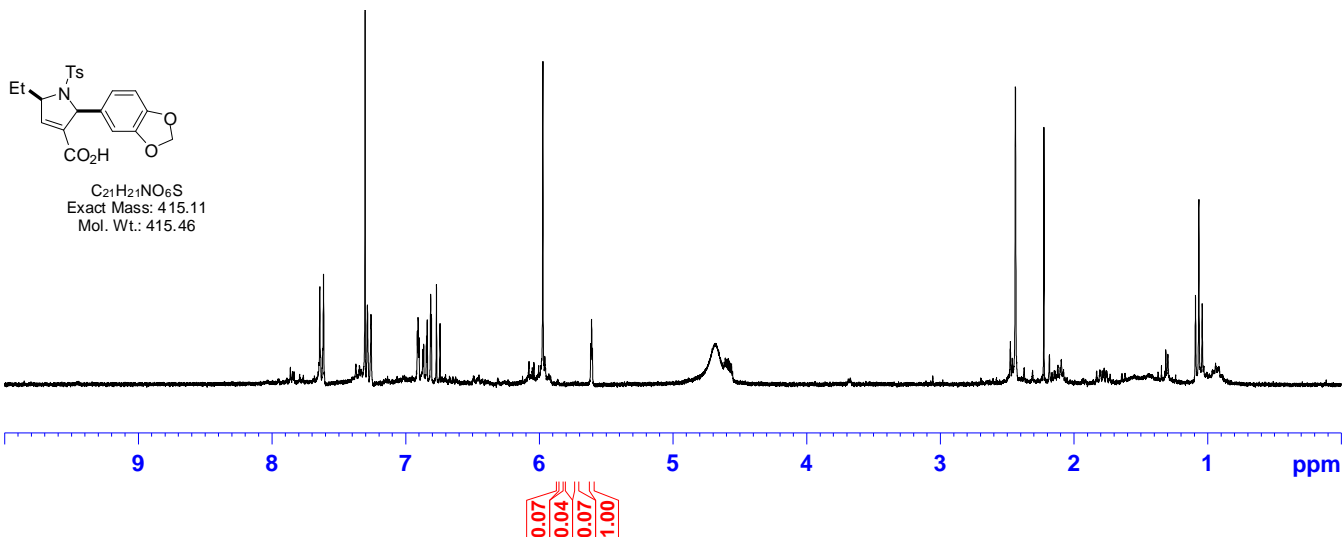
5-Ethyl-2-(p-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C02)



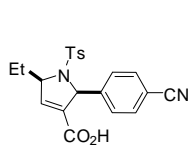
5-Ethyl-2-(4-ethylphenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C03)



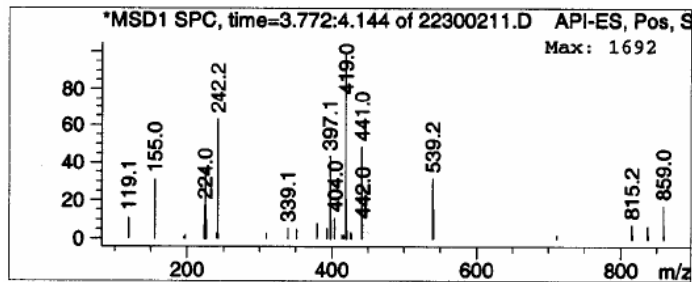
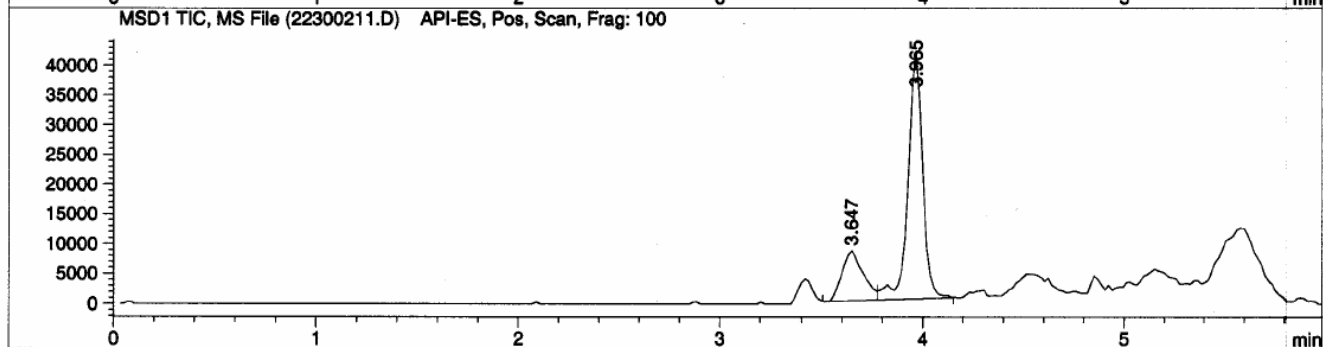
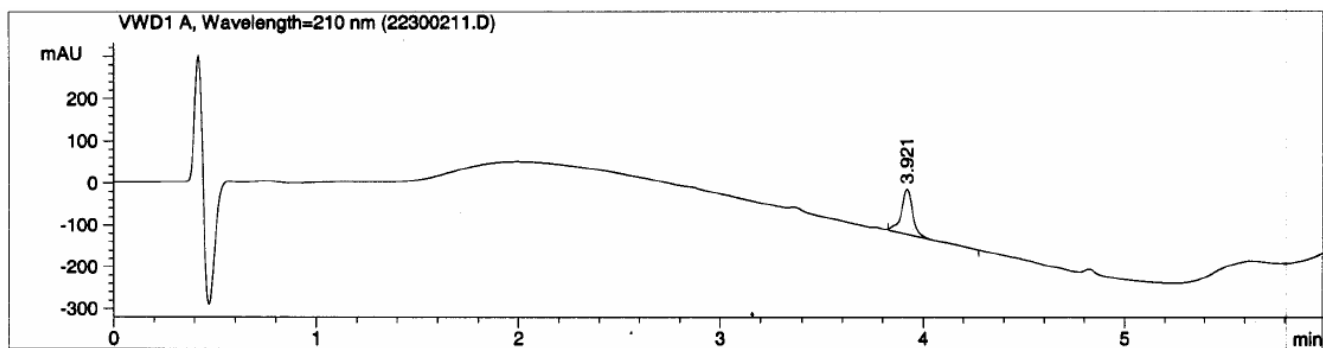
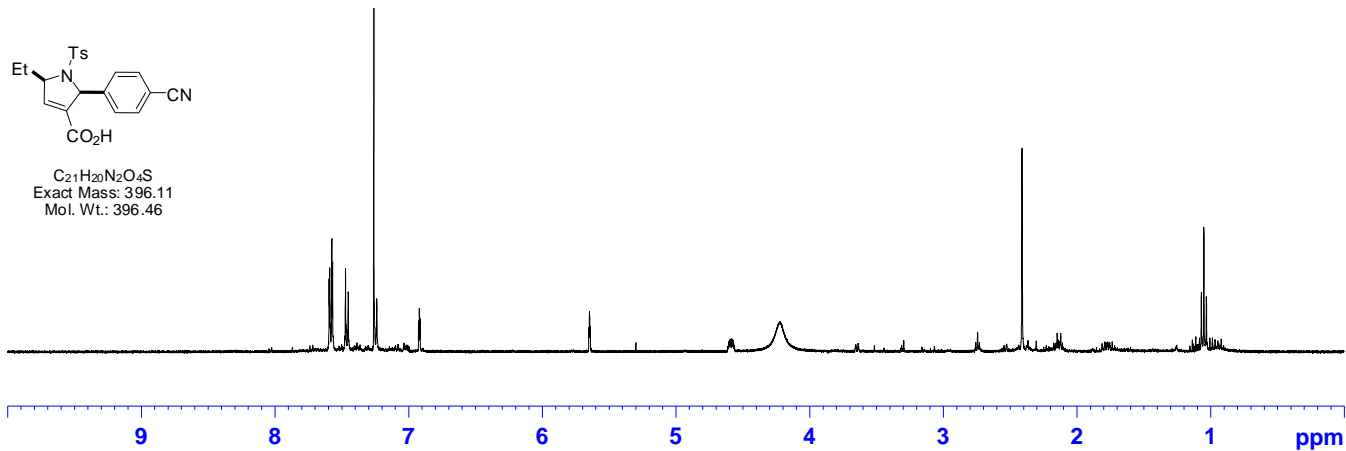
2-(Benzo[d][1,3]dioxol-5-yl)-5-ethyl-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C06)



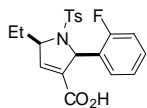
2-(4-Cyanophenyl)-5-ethyl-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C09)



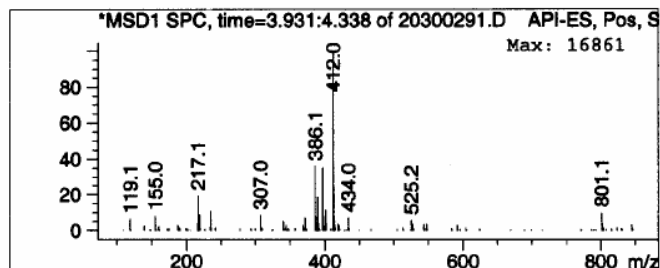
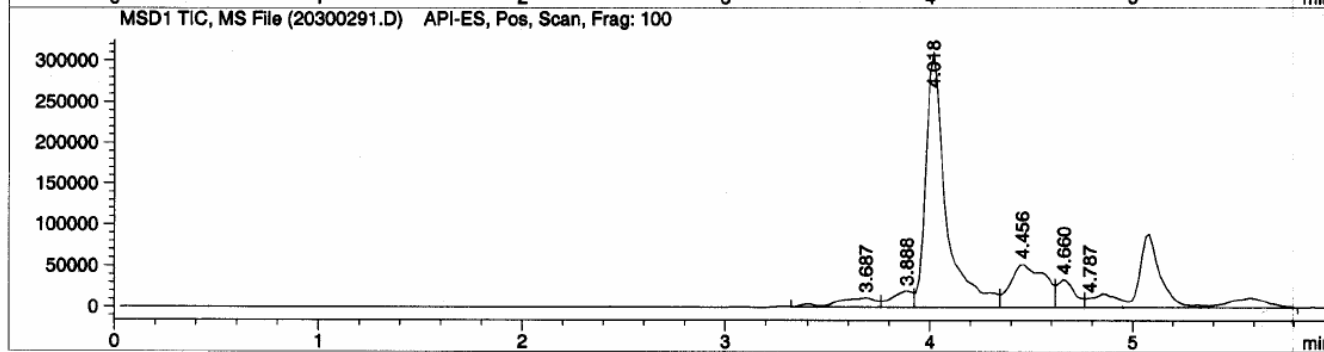
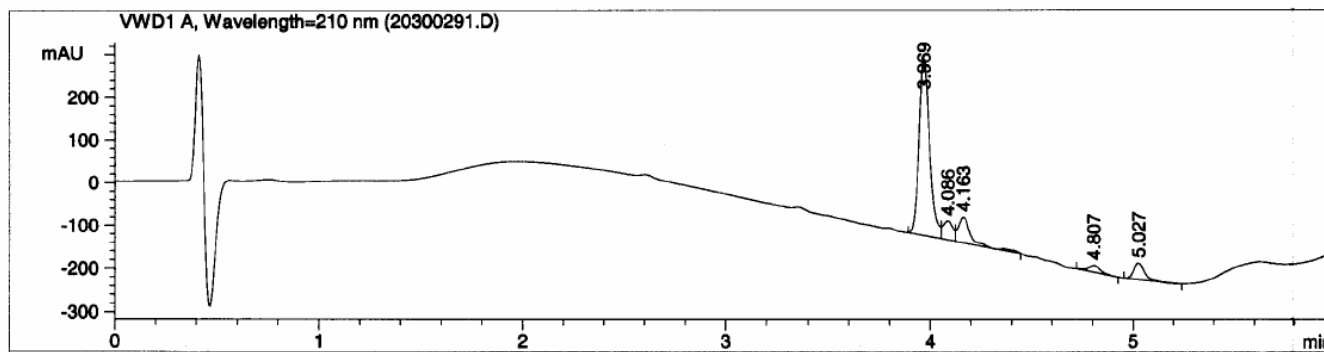
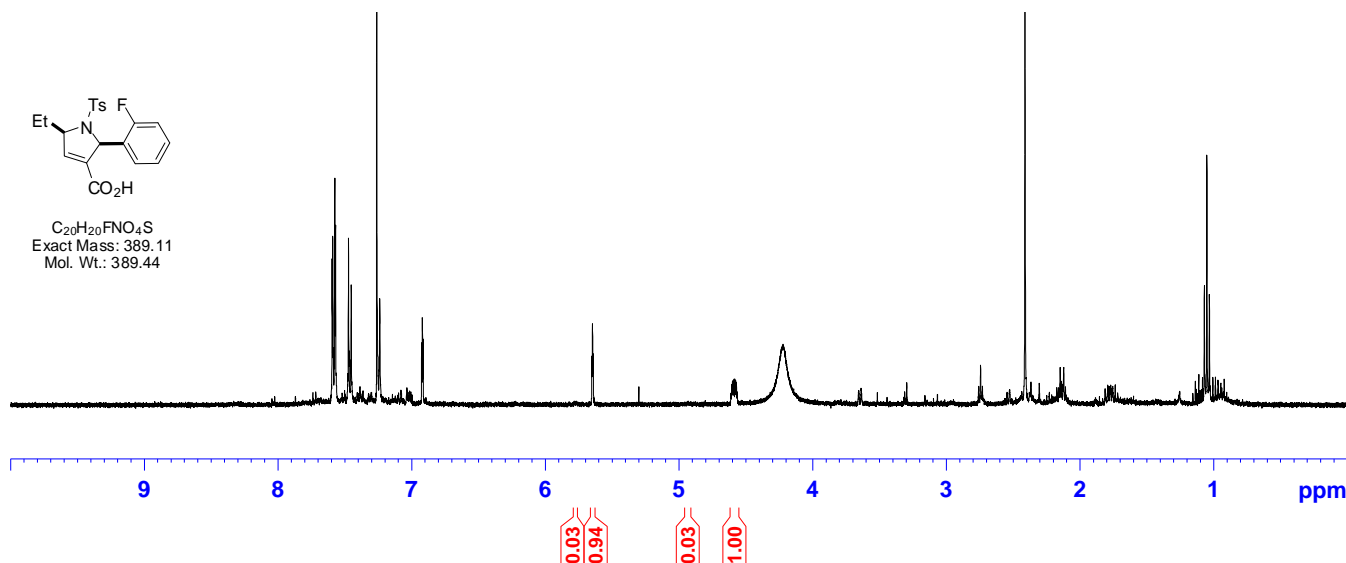
C₂₁H₂₀N₂O₄S
 Exact Mass: 396.11
 Mol. Wt.: 396.46



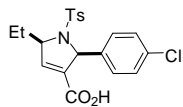
5-Ethyl-2-(2-fluorophenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C10)



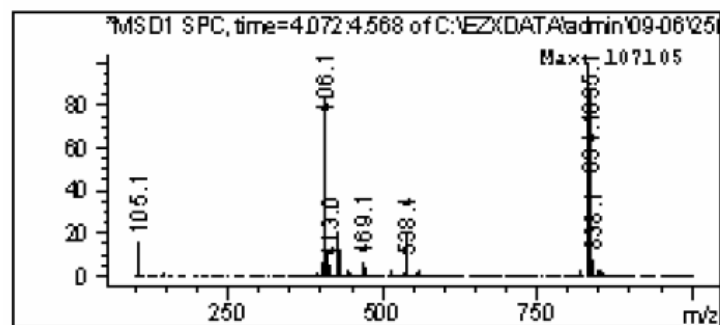
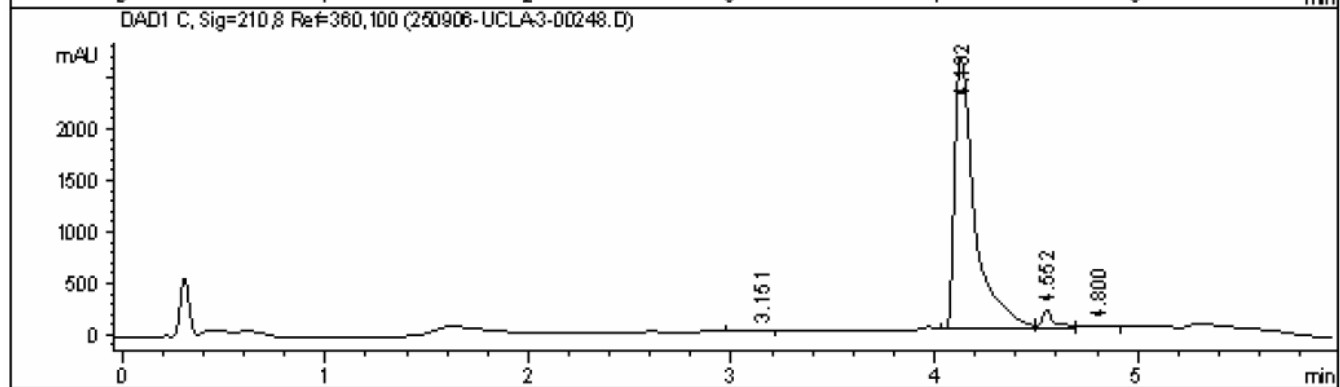
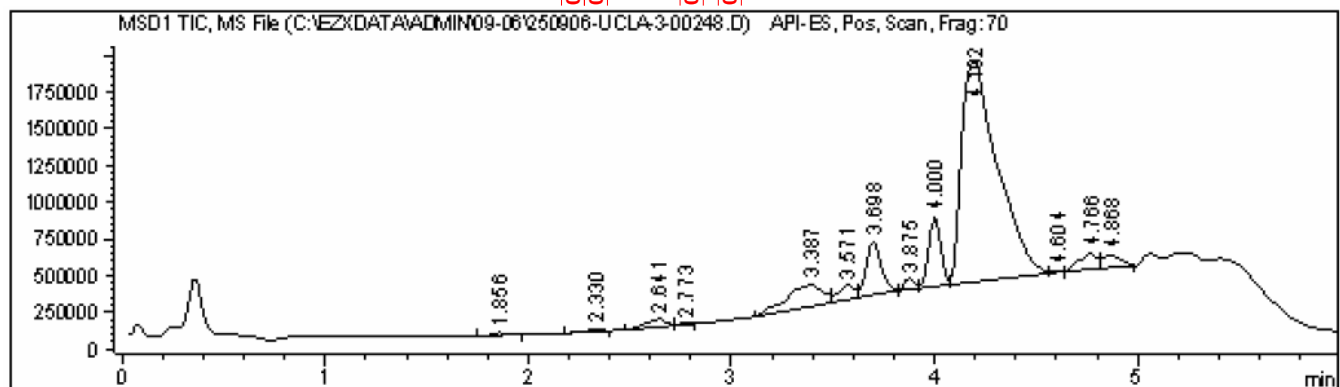
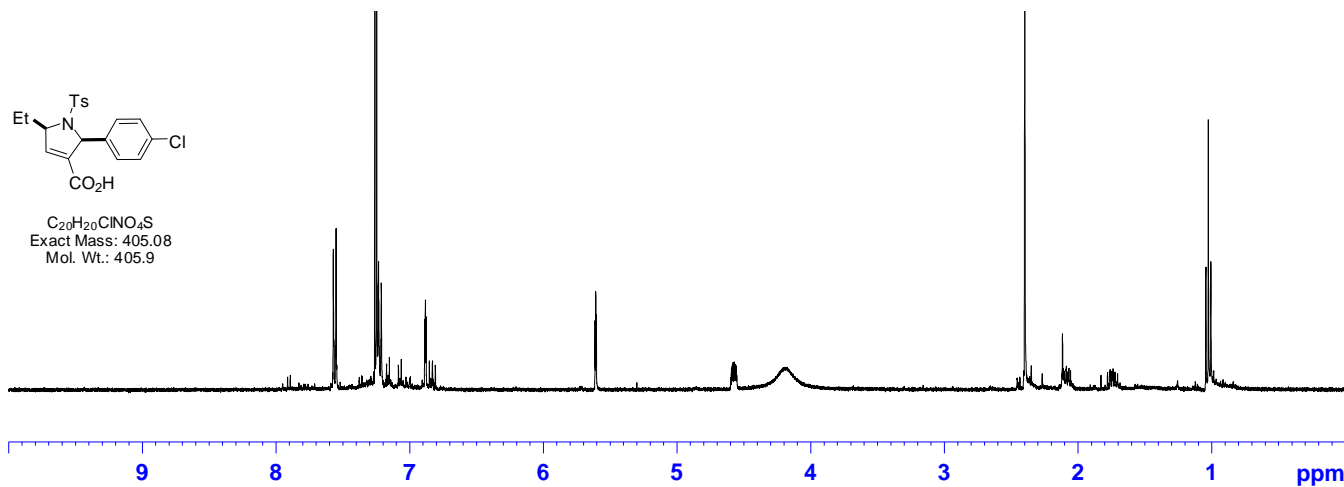
C₂₀H₂₀FNO₄S
Exact Mass: 389.11
Mol. Wt.: 389.44



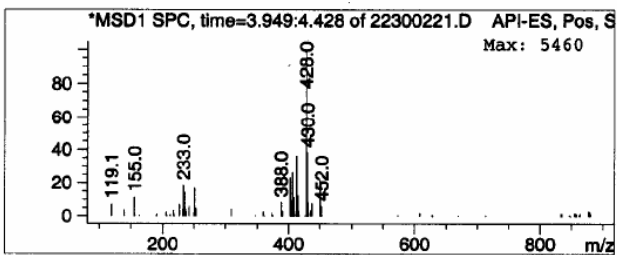
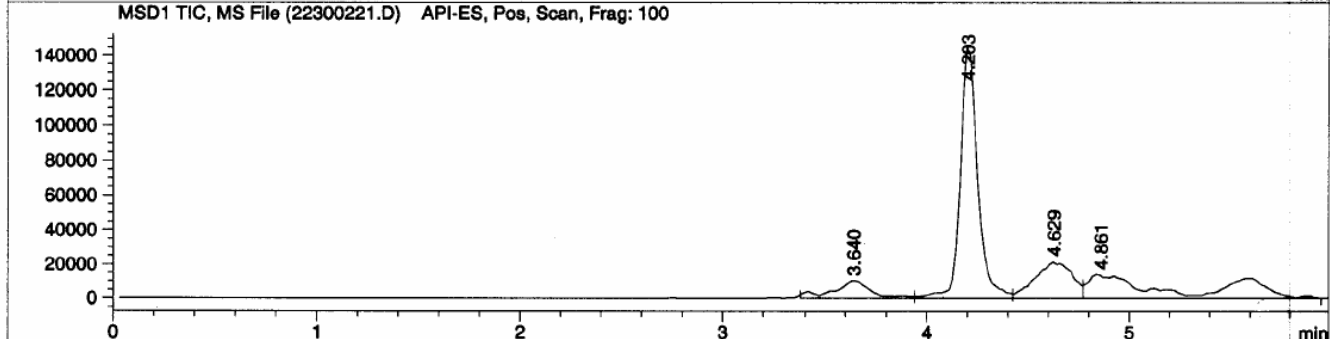
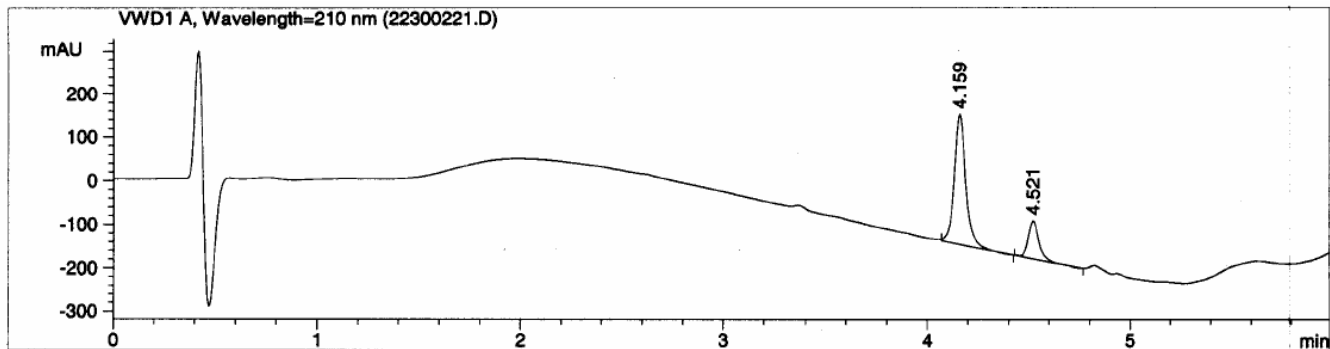
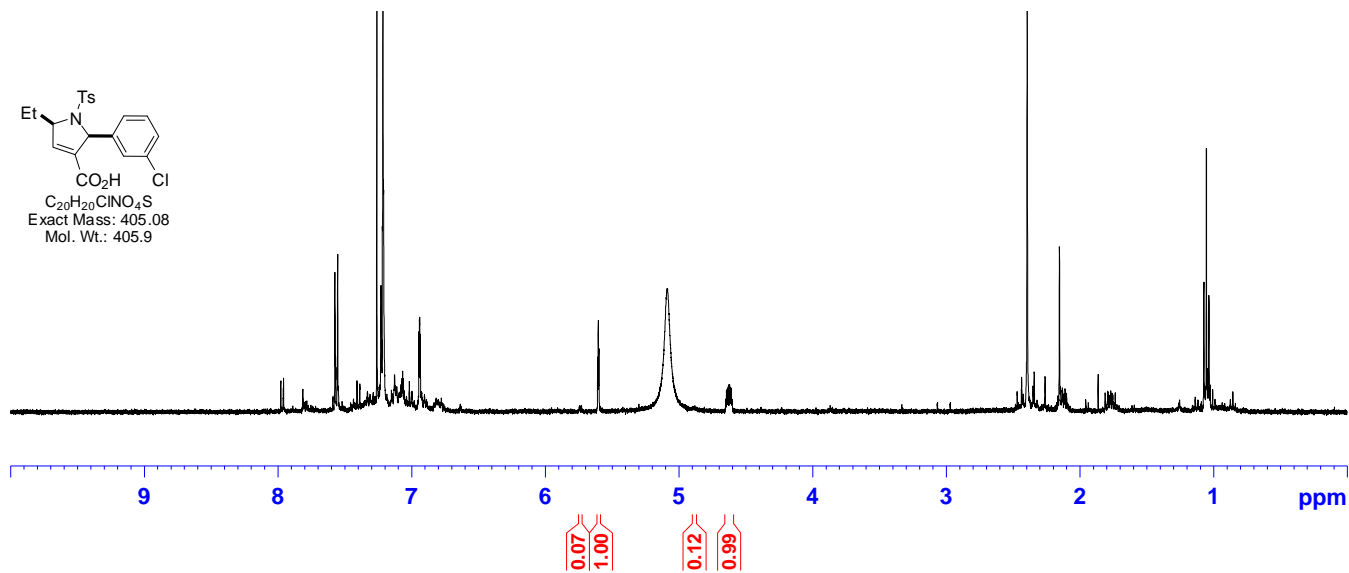
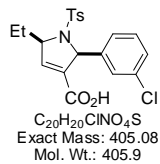
2-(4-Chlorophenyl)-5-ethyl-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C11)



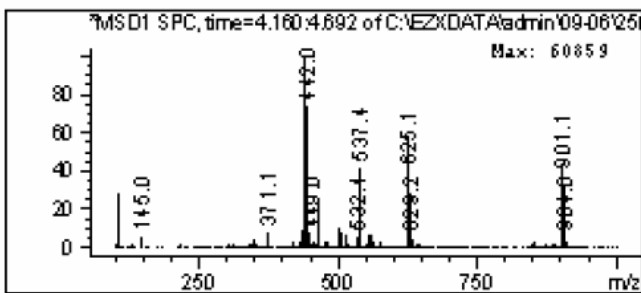
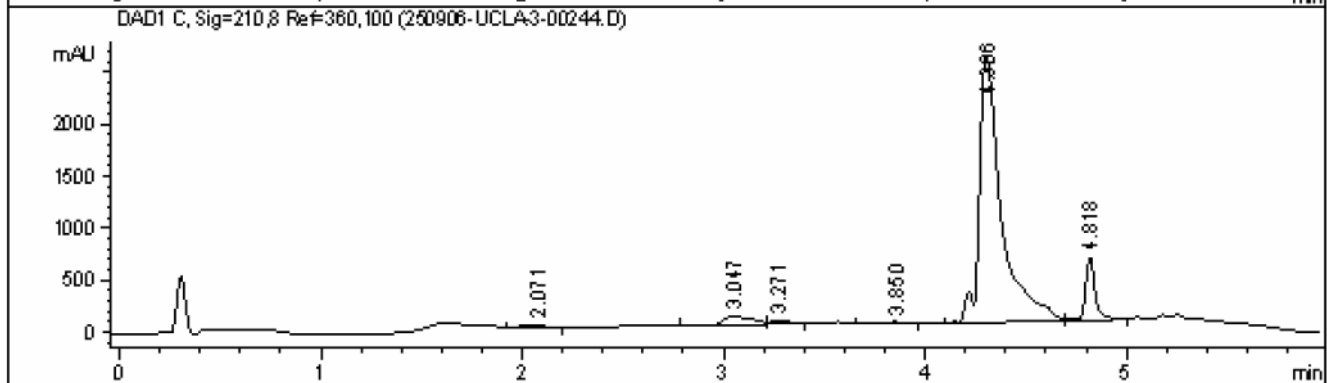
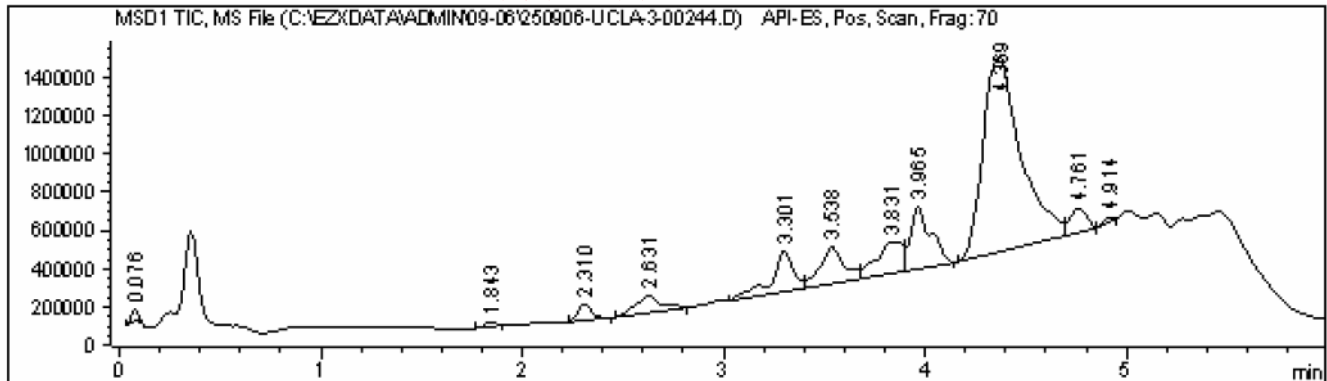
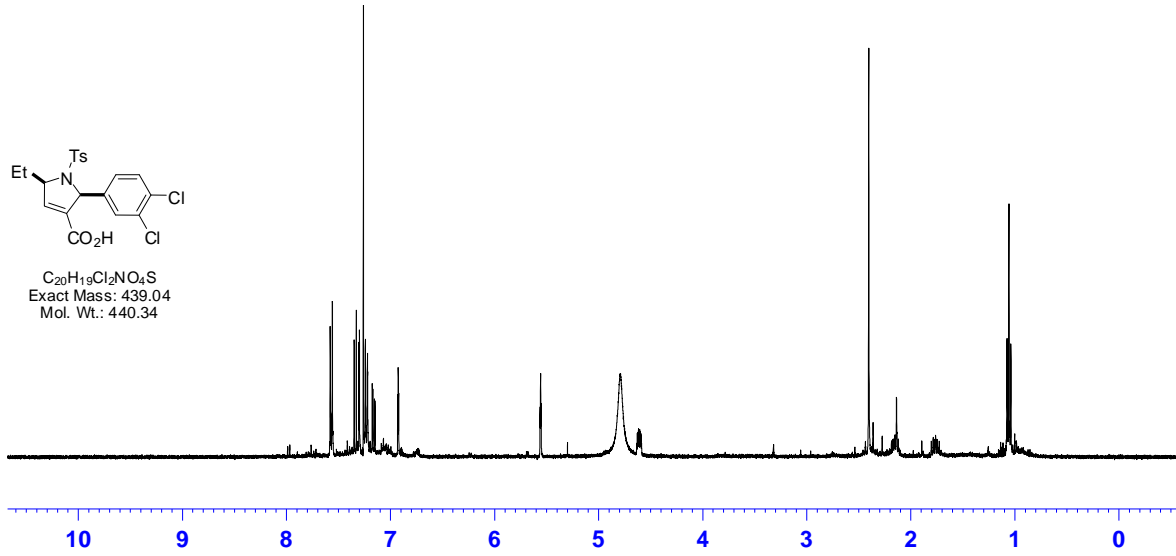
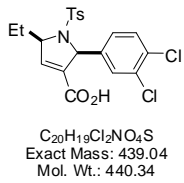
C₂₀H₂₀ClNO₂S
 Exact Mass: 405.08
 Mol. Wt.: 405.9



2-(3-Chlorophenyl)-5-ethyl-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C12)

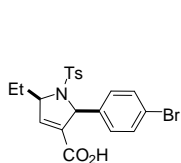


2-(3,4-Dichlorophenyl)-5-ethyl-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C13)

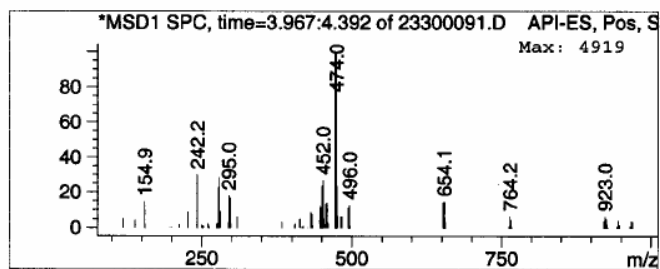
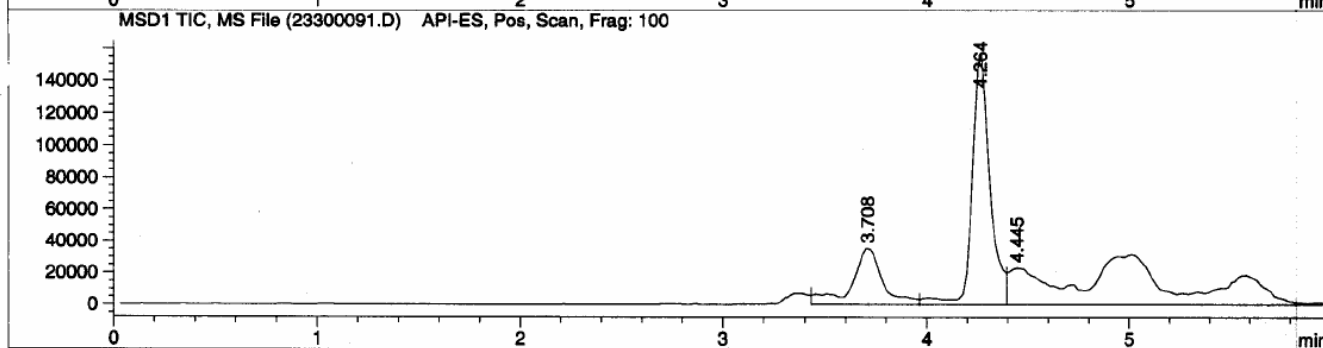
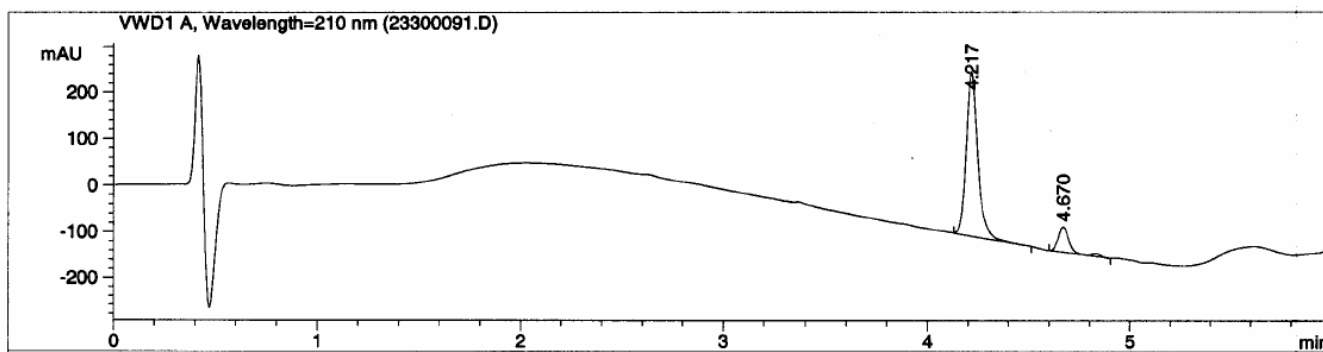
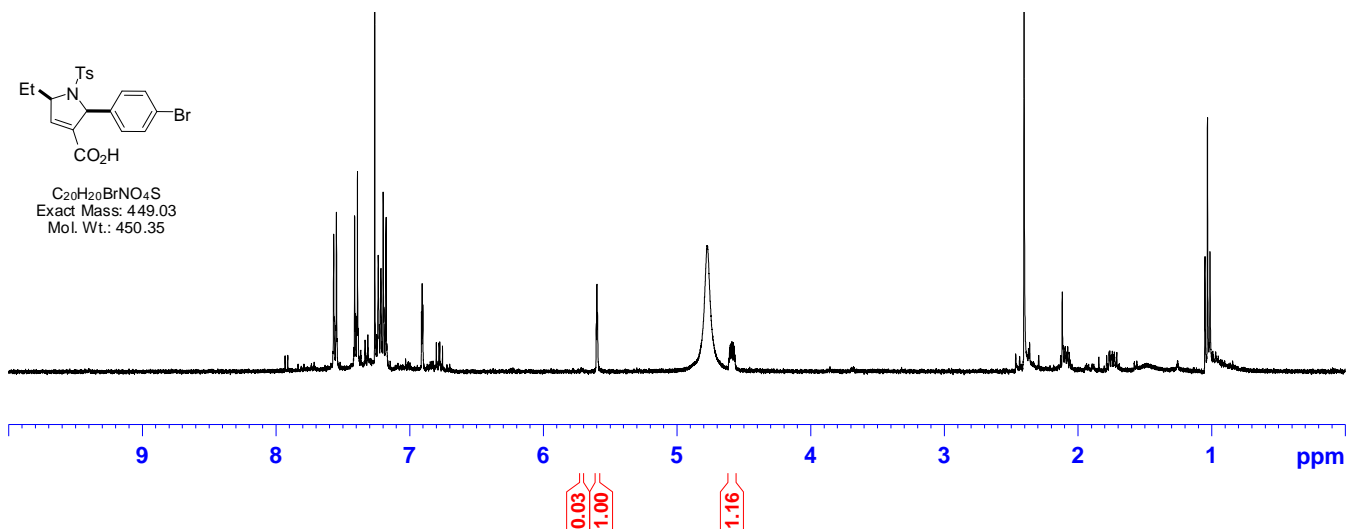


Component 2: Peak at Scan 244.2. Top ions are 440 442 441

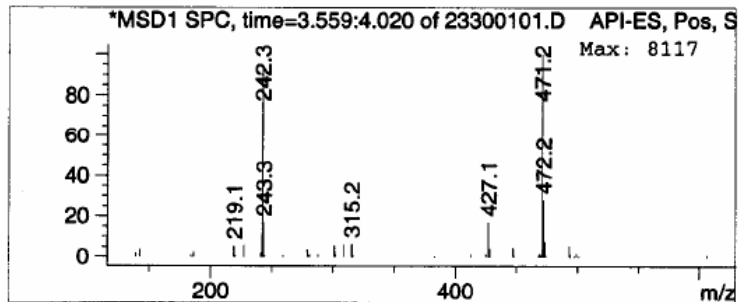
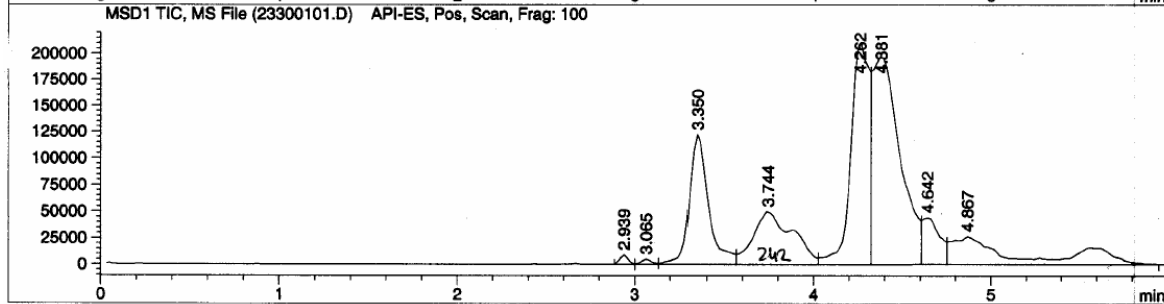
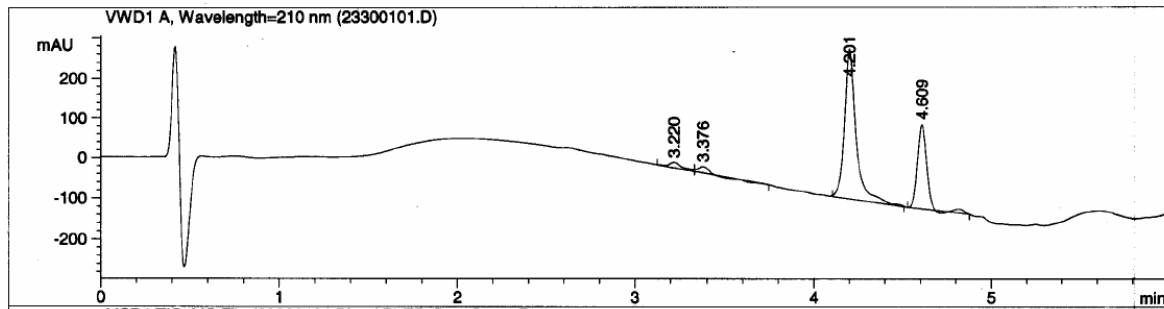
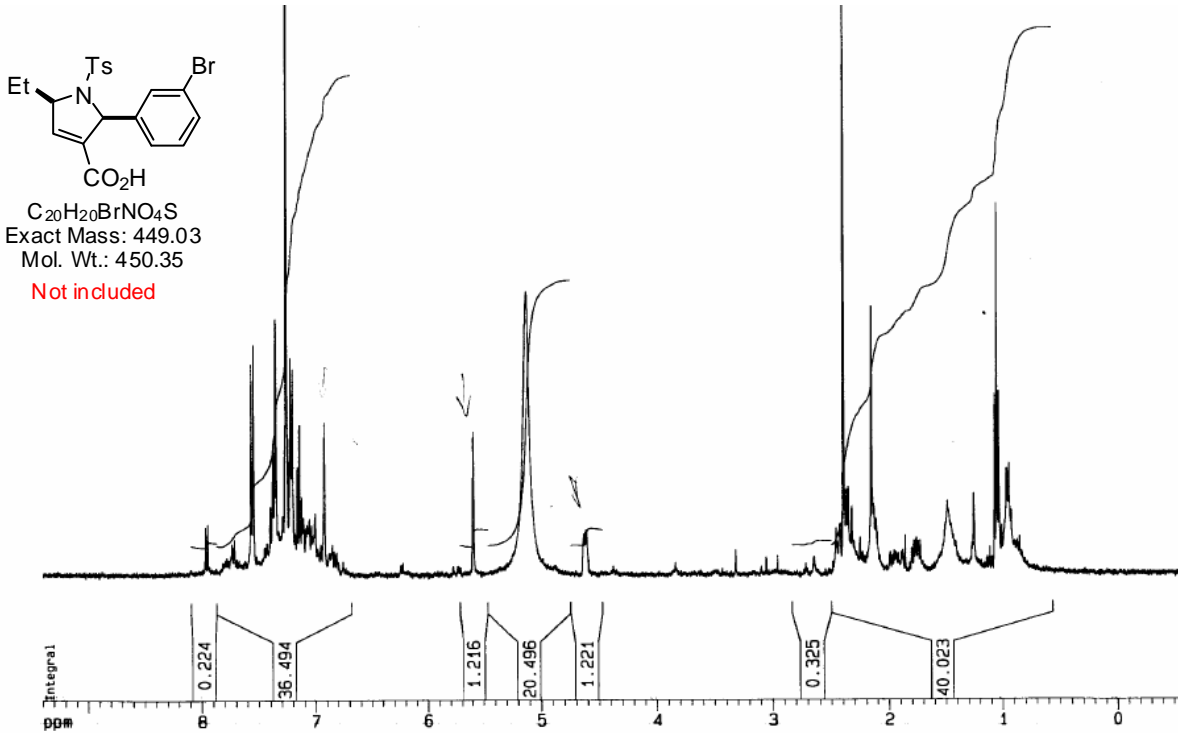
2-(4-Bromophenyl)-5-ethyl-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C14)



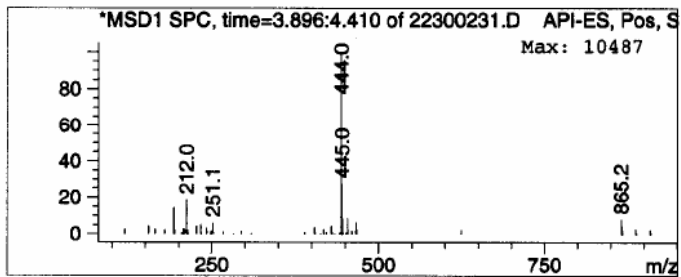
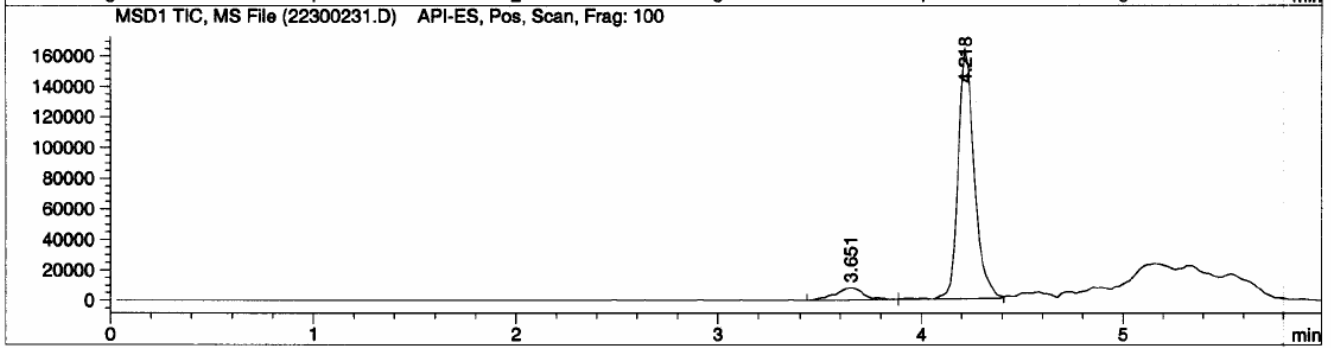
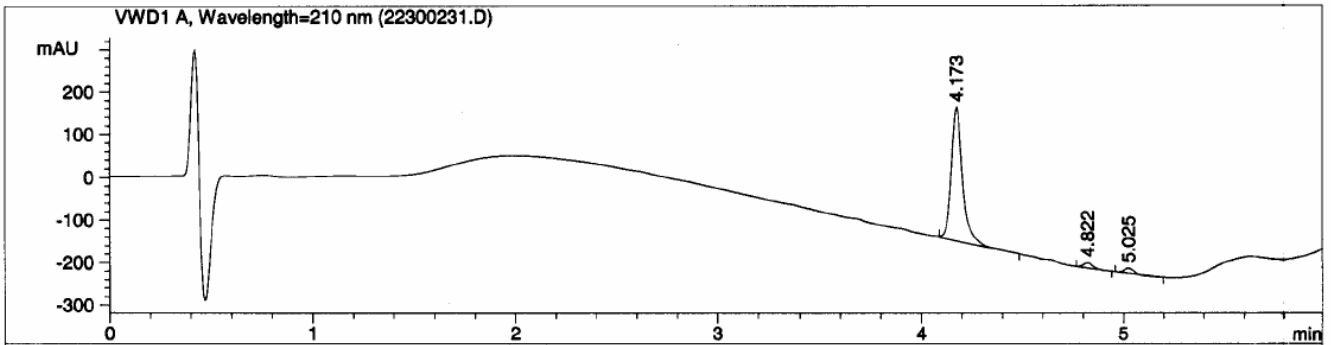
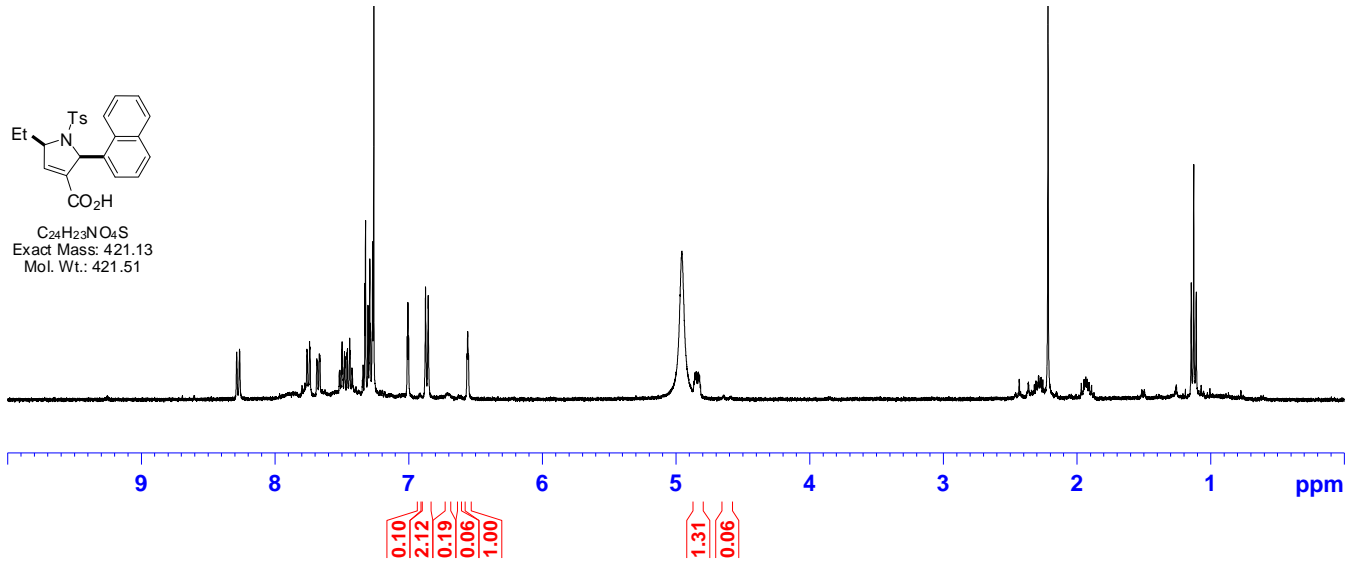
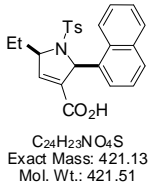
C₂₀H₂₀BrNO₄S
Exact Mass: 449.03
Mol. Wt.: 450.35



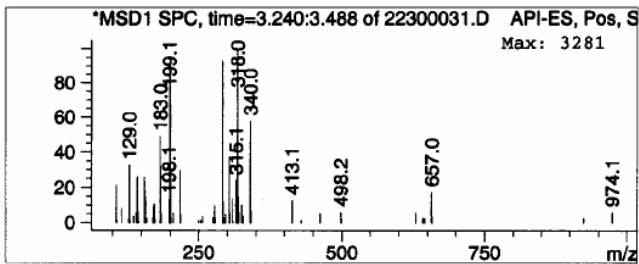
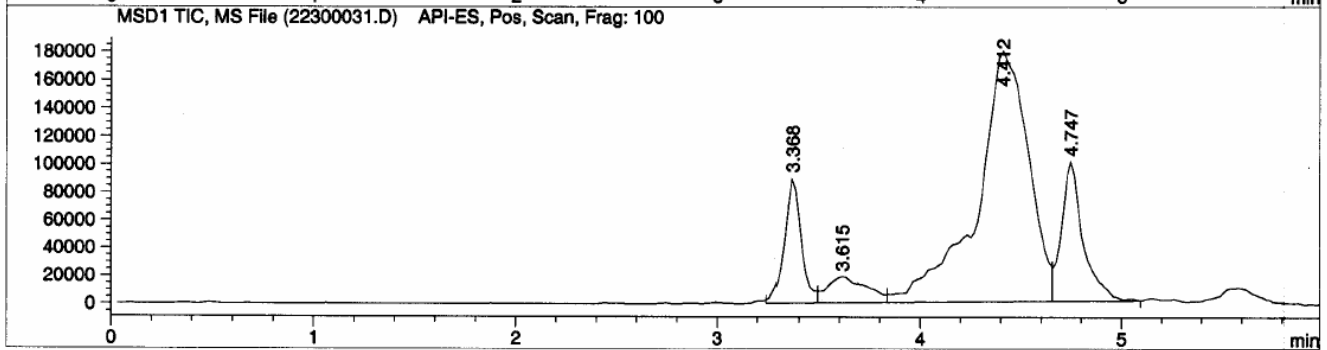
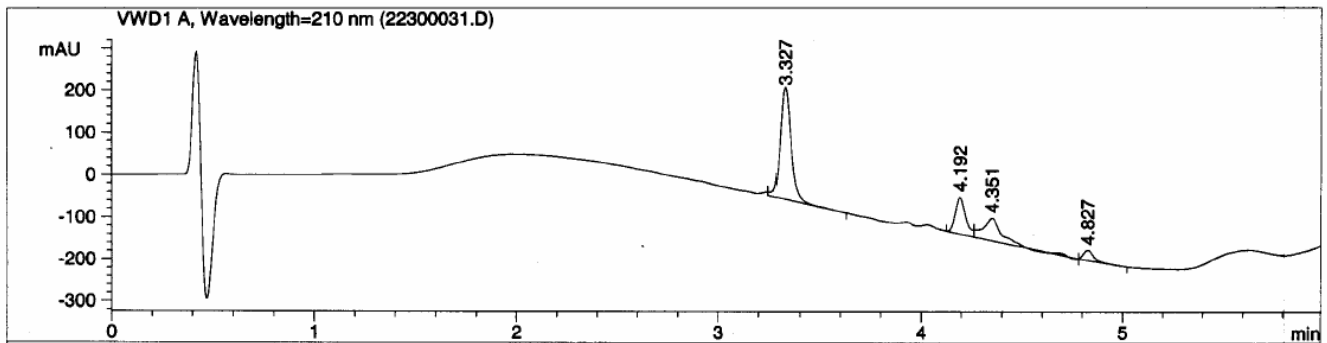
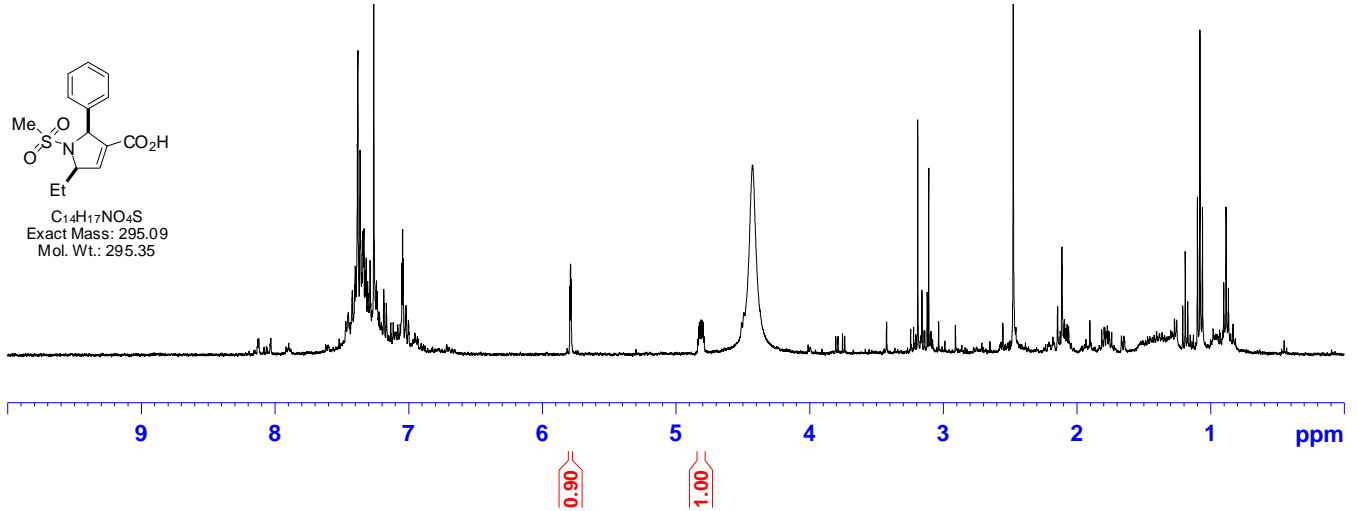
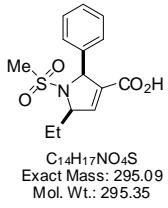
2-(3-Bromophenyl)-5-ethyl-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C15)



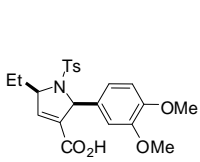
5-Ethyl-2-(naphthalen-1-yl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C16)



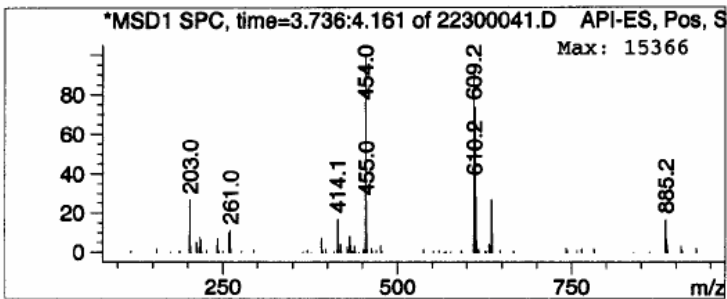
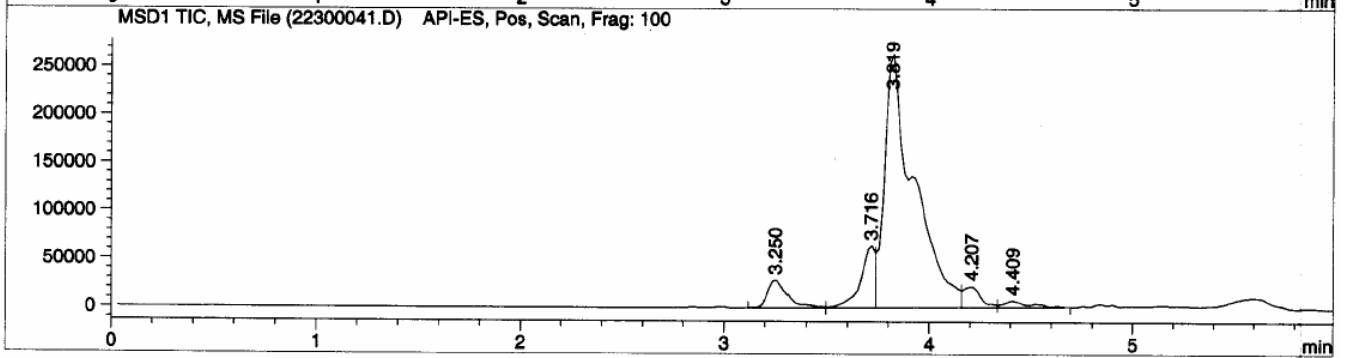
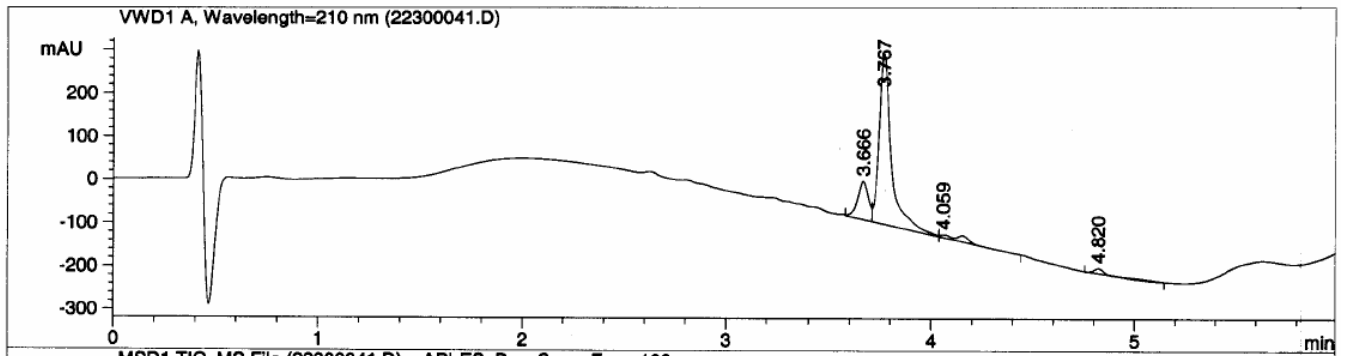
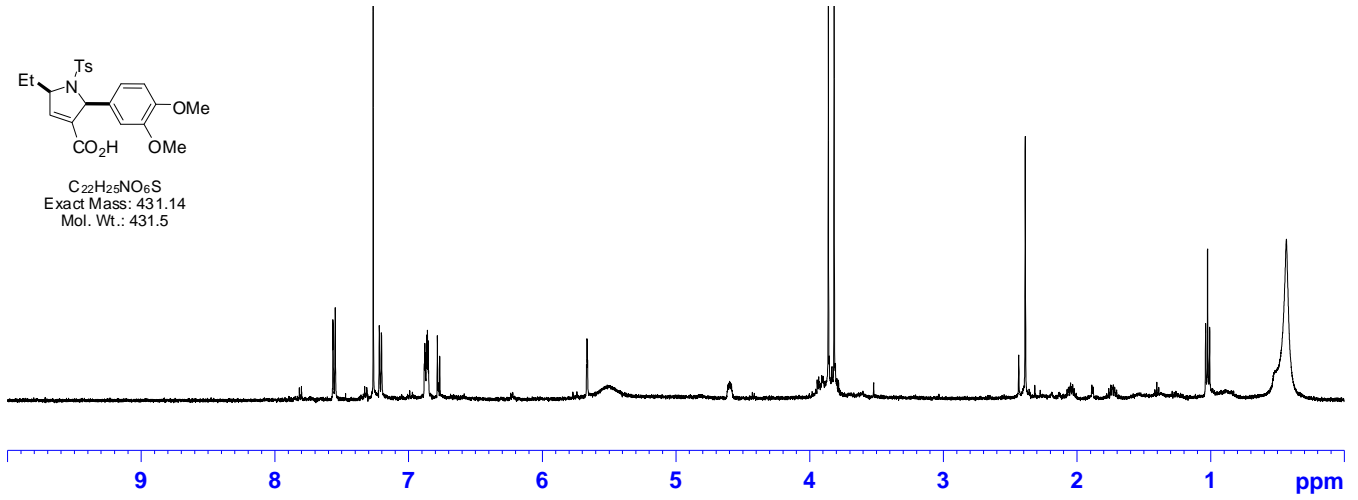
5-Ethyl-1-(methylsulfonyl)-2-phenyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C19)



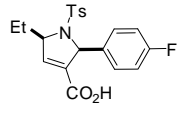
2-(3,4-Dimethoxyphenyl)-5-ethyl-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C20)



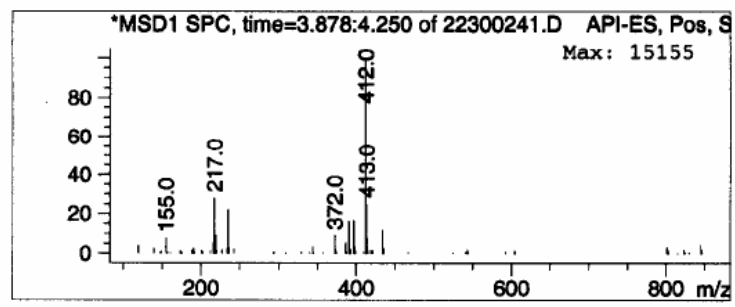
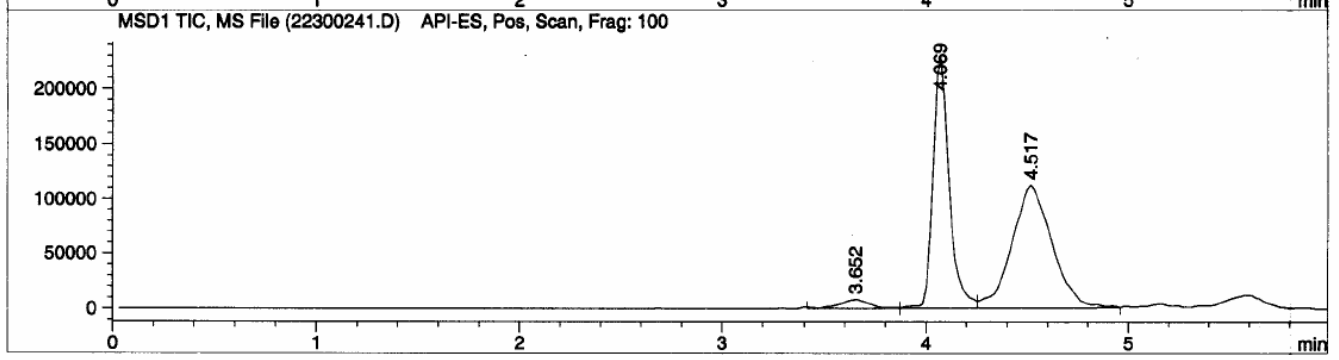
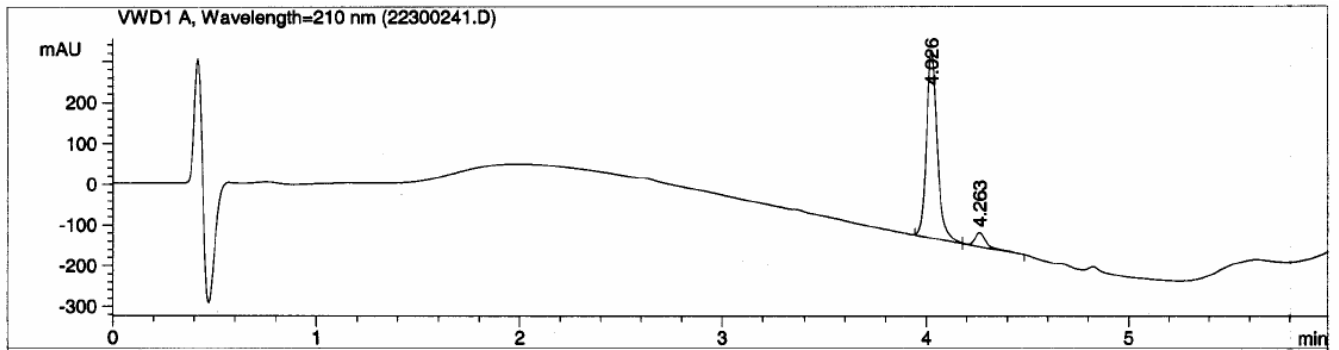
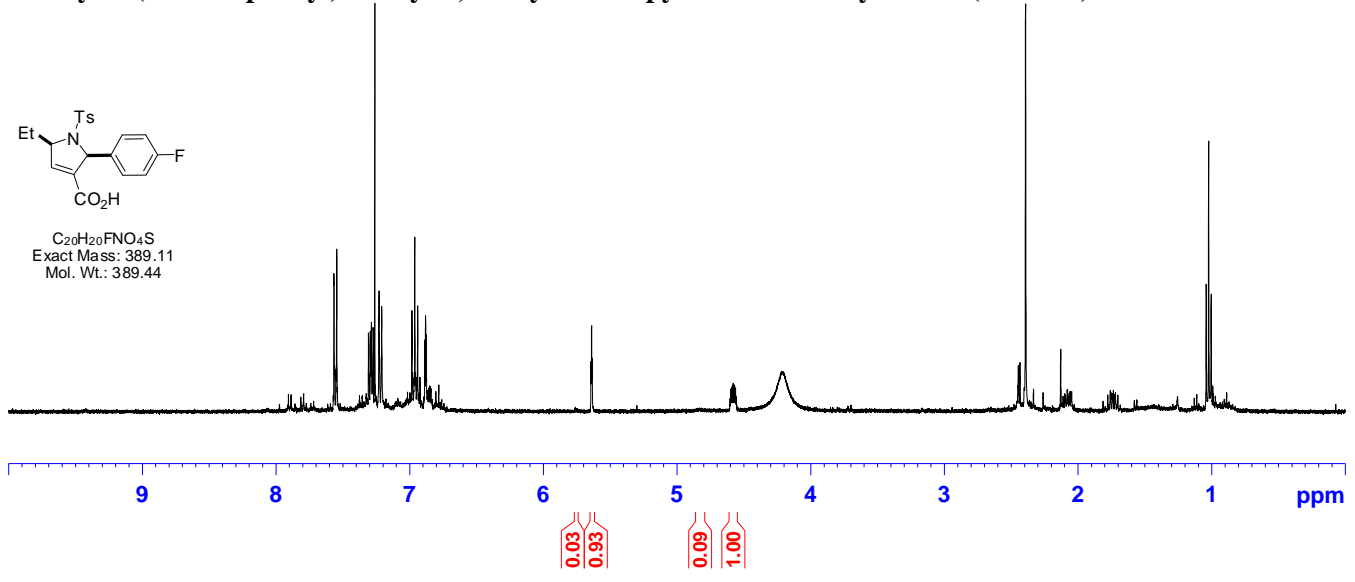
C₂₂H₂₆NO₆S
Exact Mass: 431.14
Mol. Wt.: 431.5



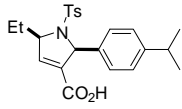
5-Ethyl-2-(4-fluorophenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C23)



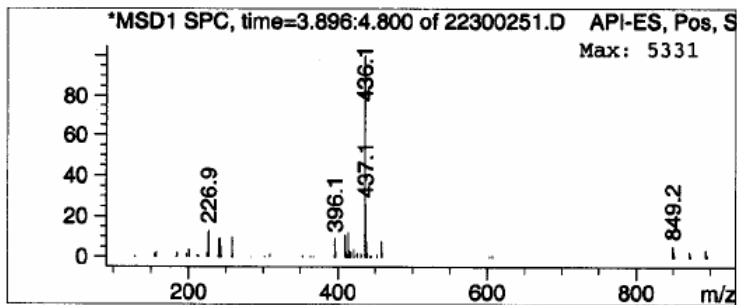
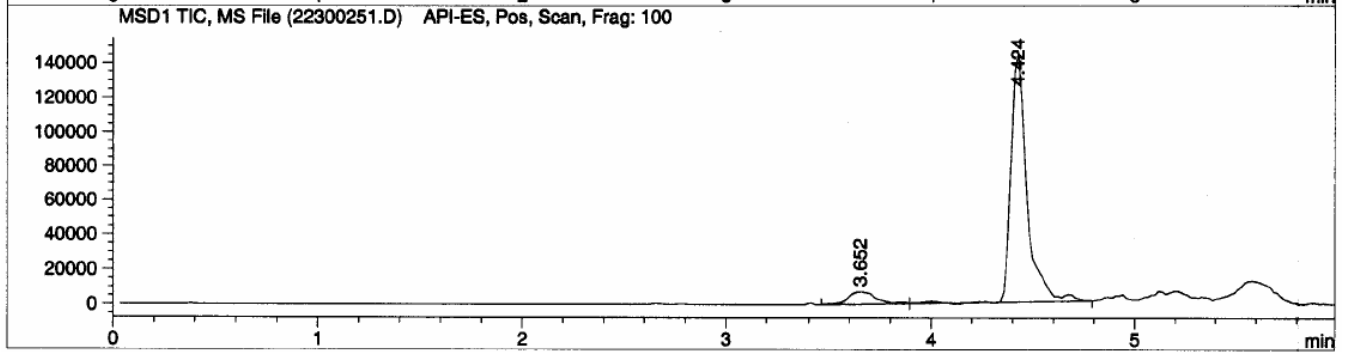
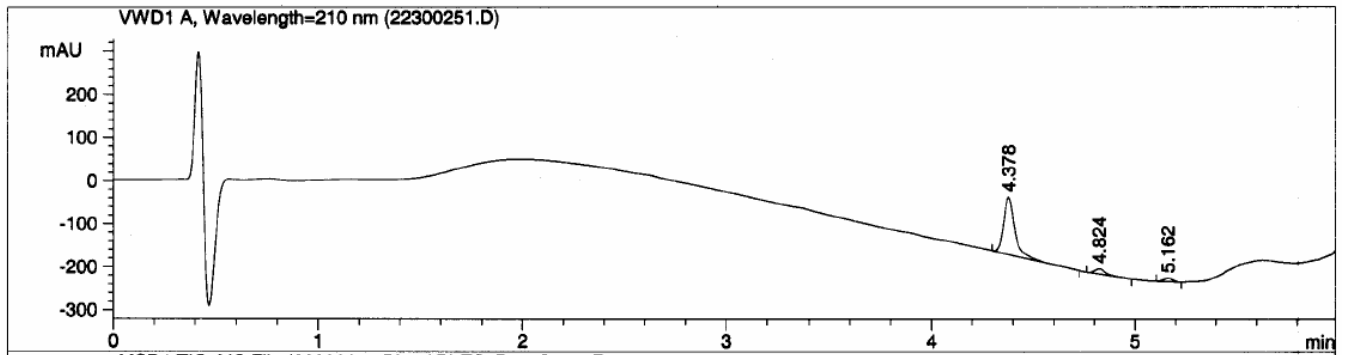
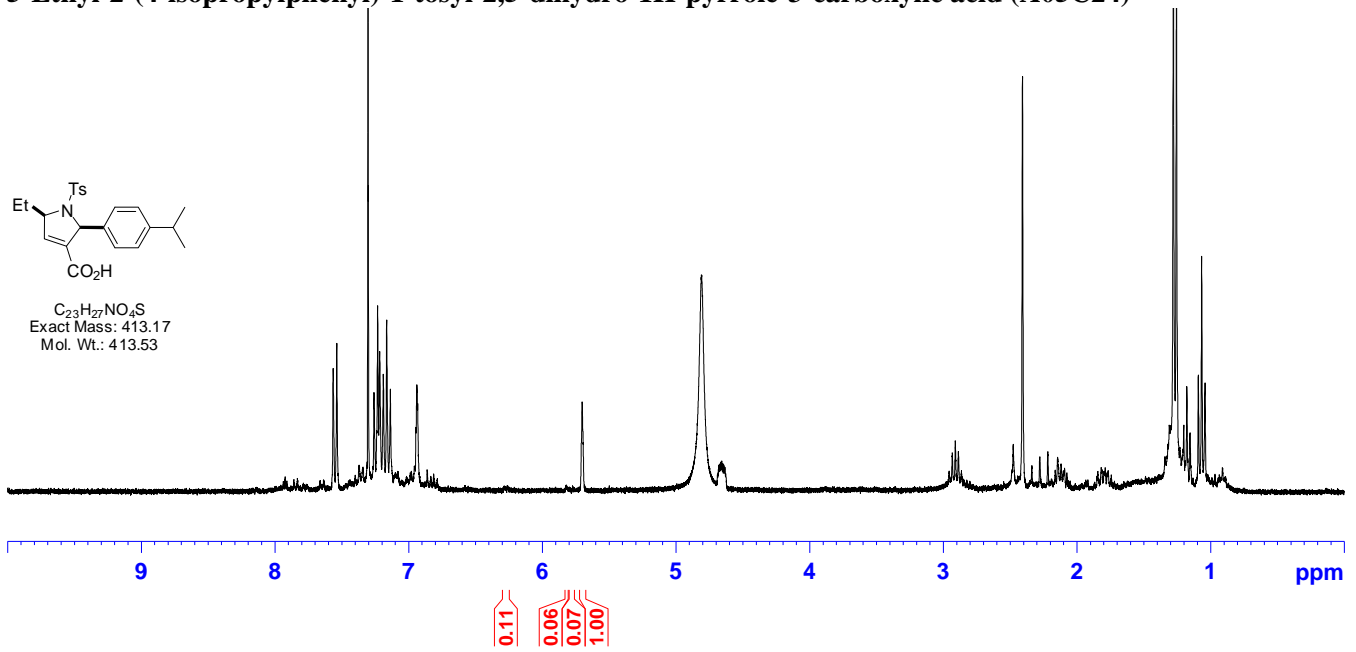
C₂₀H₂₀FNO₄S
Exact Mass: 389.11
Mol. Wt.: 389.44



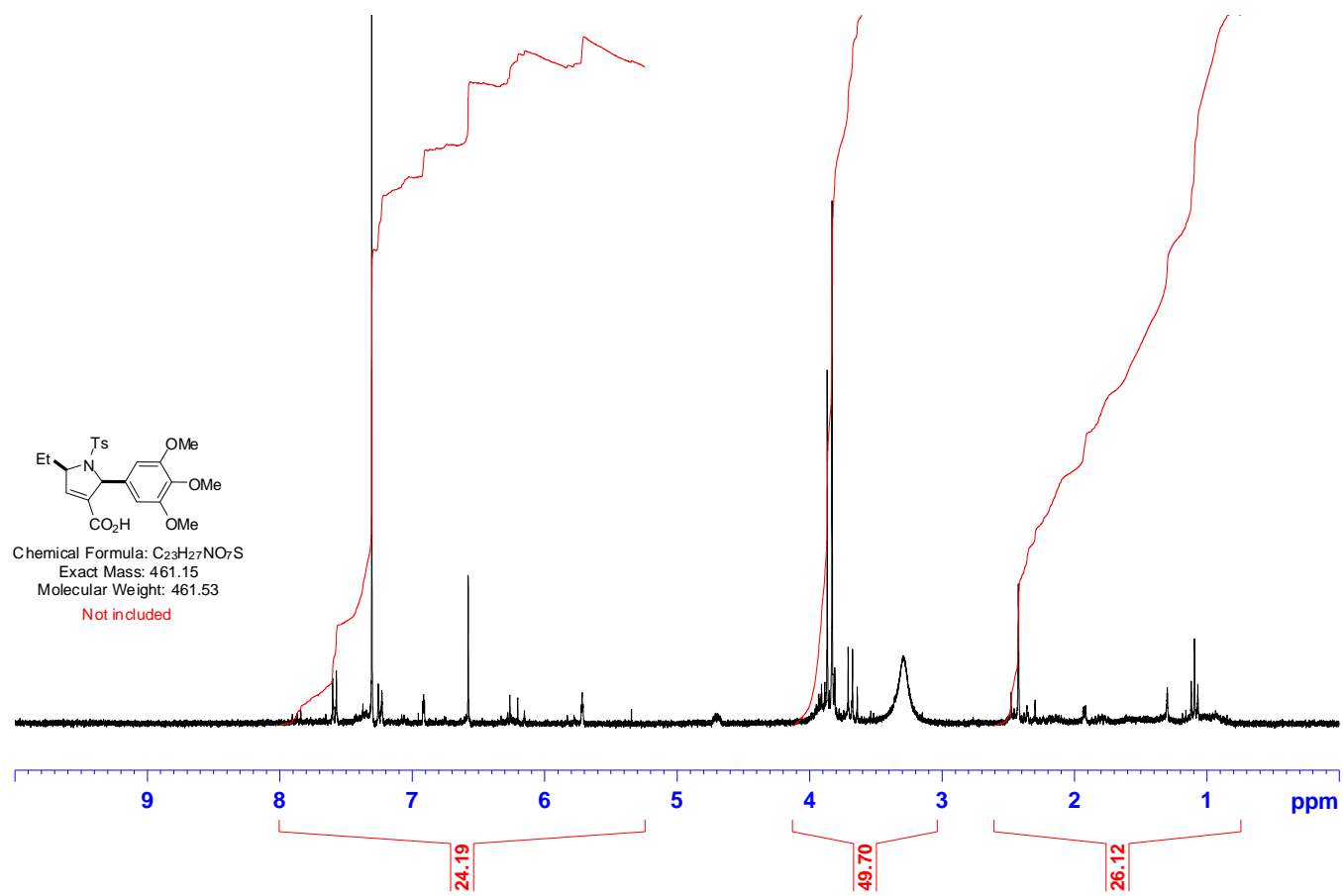
5-Ethyl-2-(4-isopropylphenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C24)



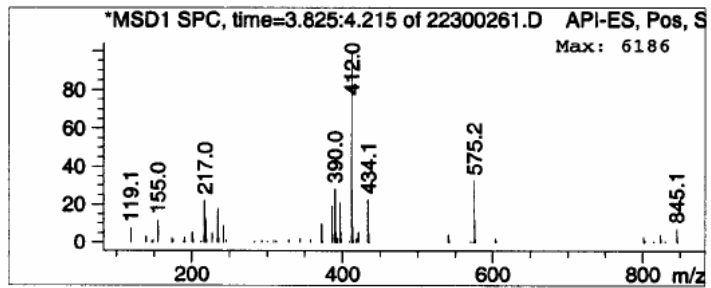
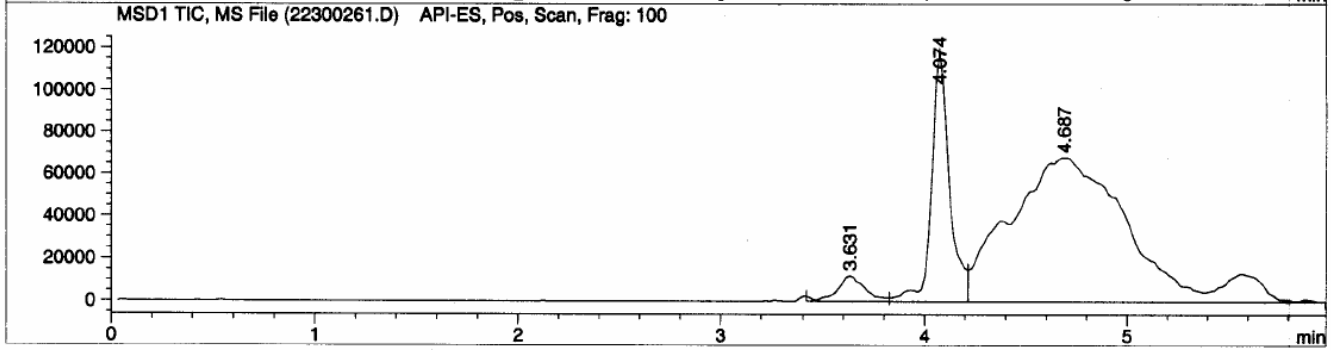
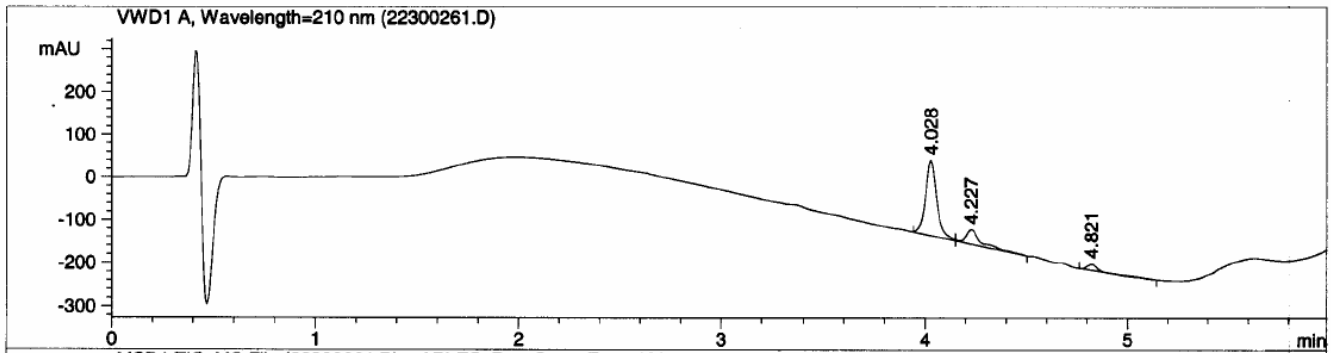
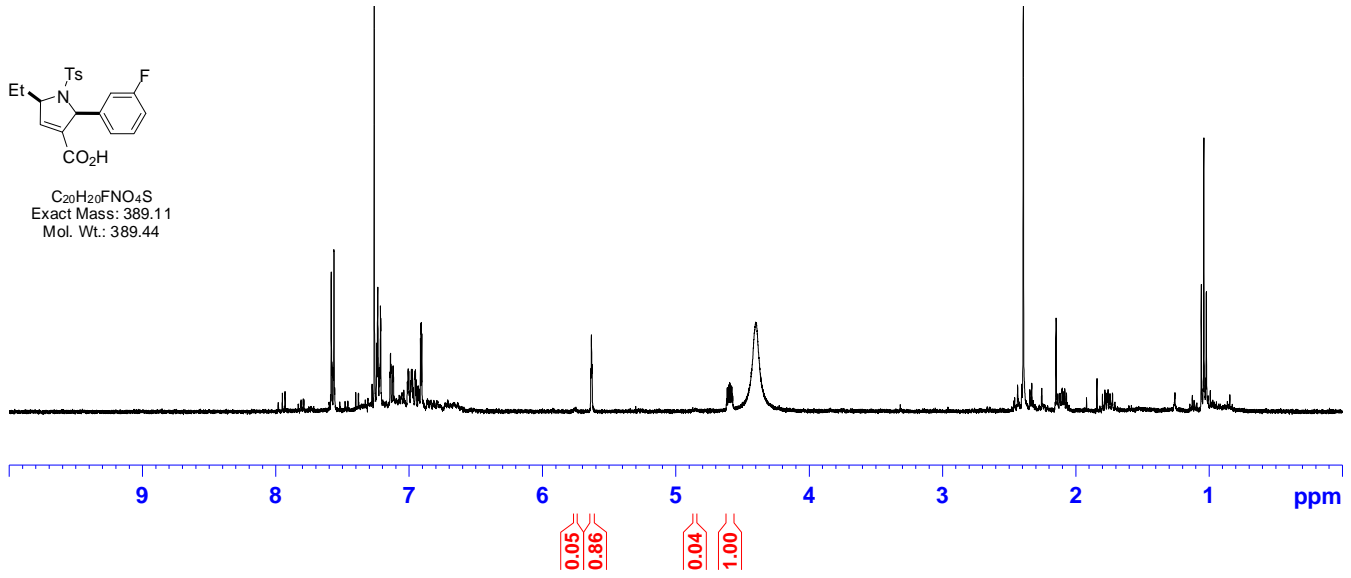
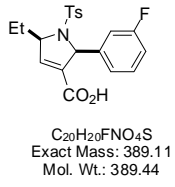
C₂₃H₂₇NO₄S
Exact Mass: 413.17
Mol. Wt.: 413.53



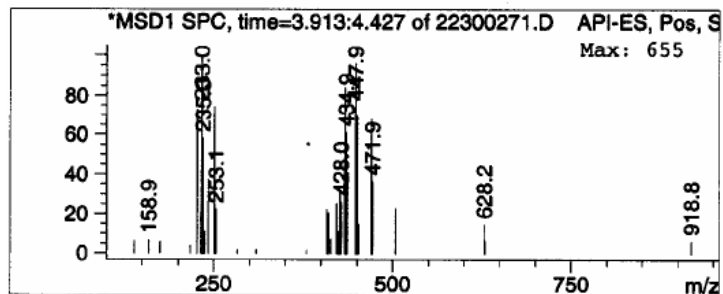
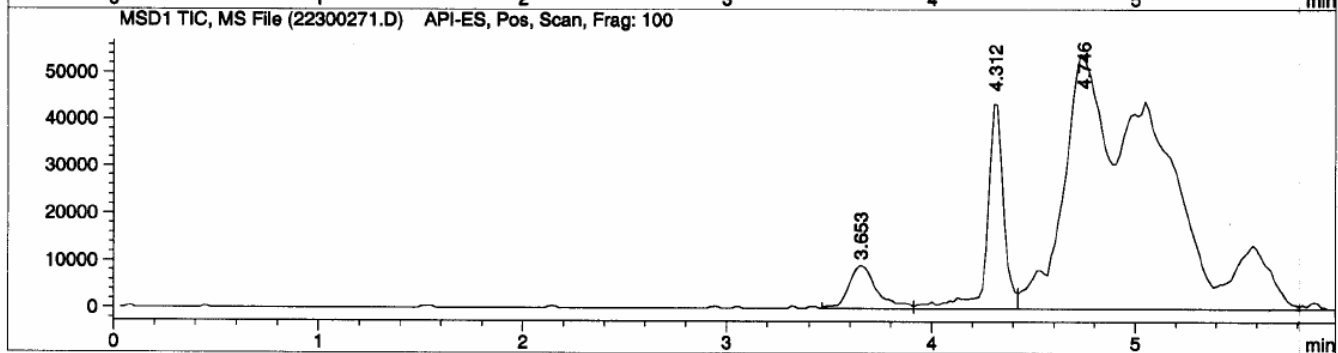
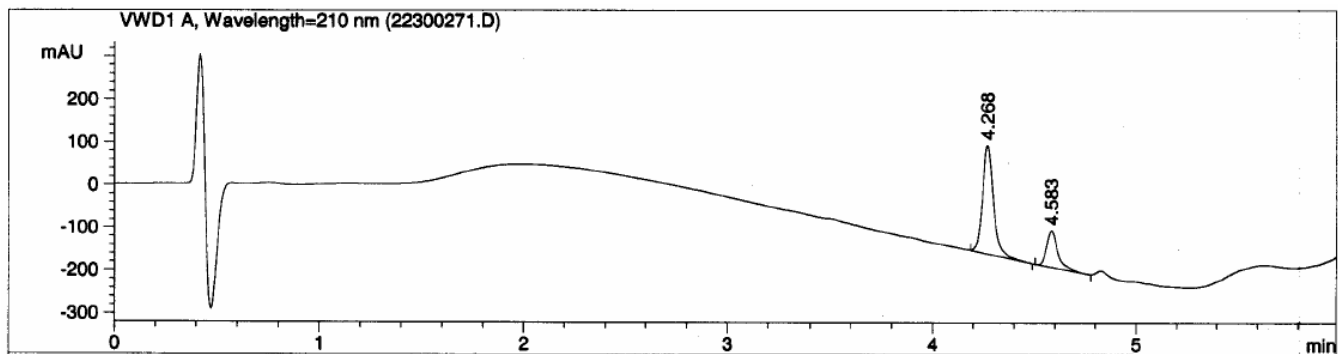
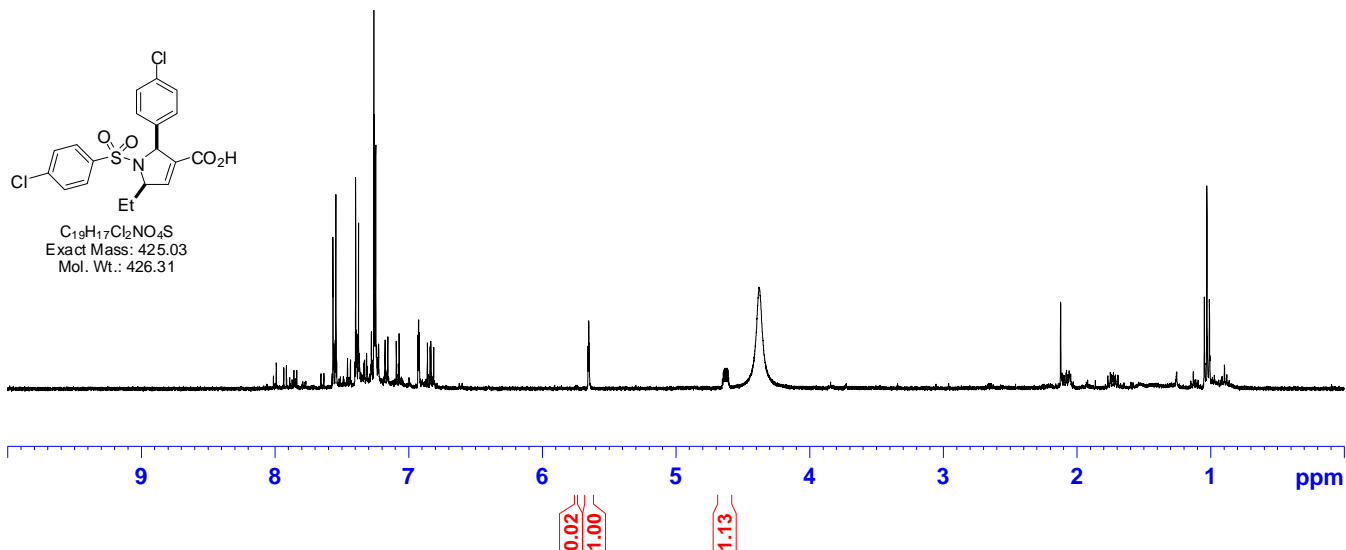
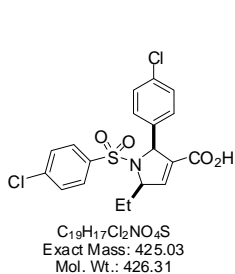
5-Ethyl-1-tosyl-2-(3,4,5-trimethoxyphenyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C25)



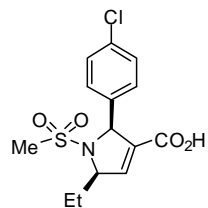
5-Ethyl-2-(3-fluorophenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C26)



2-(4-Chlorophenyl)-1-(4-chlorophenylsulfonyl)-5-ethyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C27)



2-(4-Chlorophenyl)-5-ethyl-1-(methylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C28)

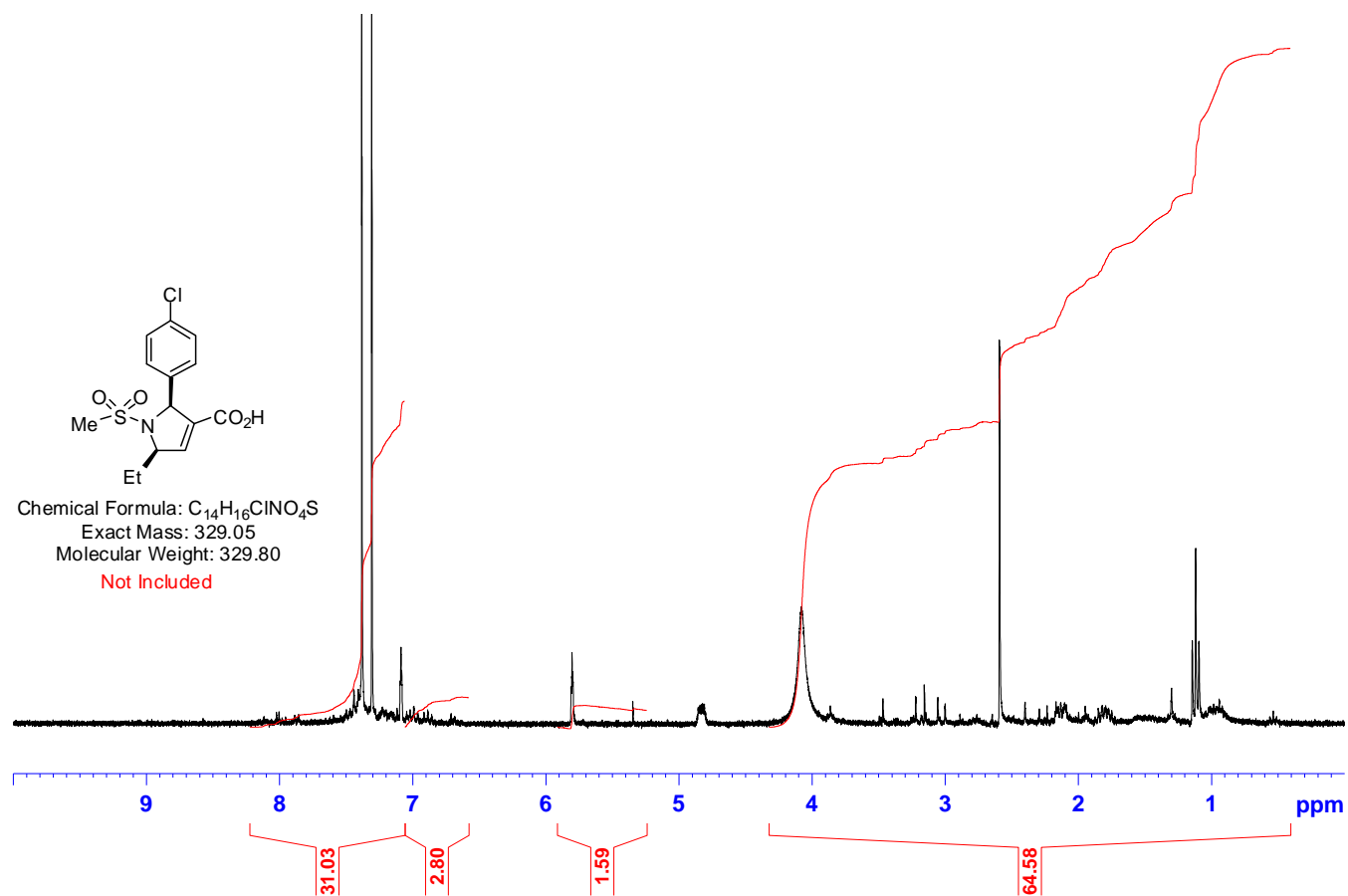


Chemical Formula: C₁₄H₁₆ClNO₄S

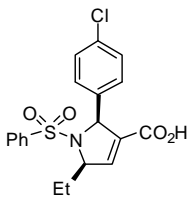
Exact Mass: 329.05

Molecular Weight: 329.80

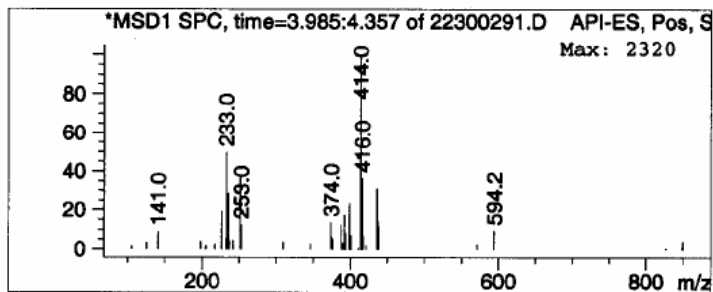
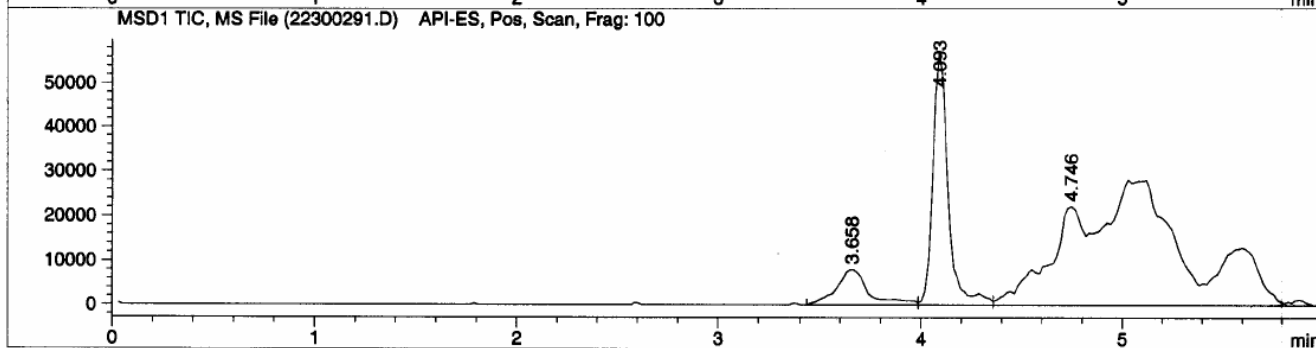
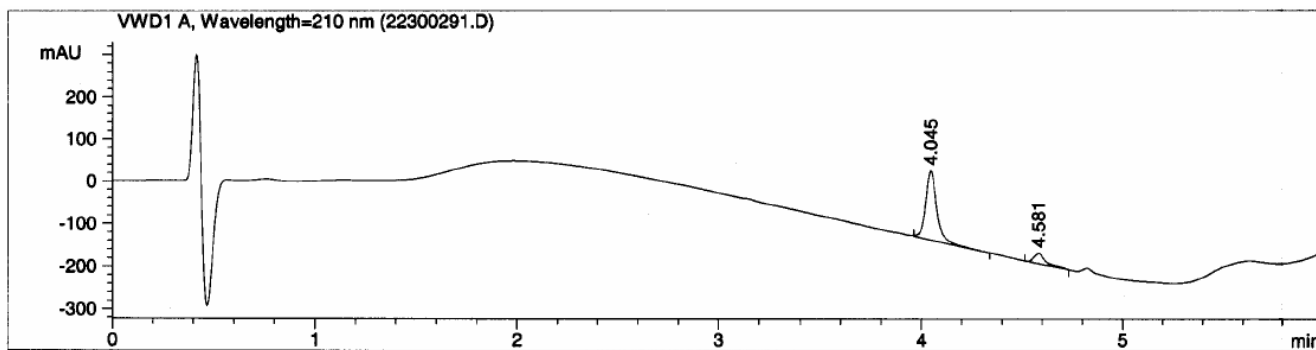
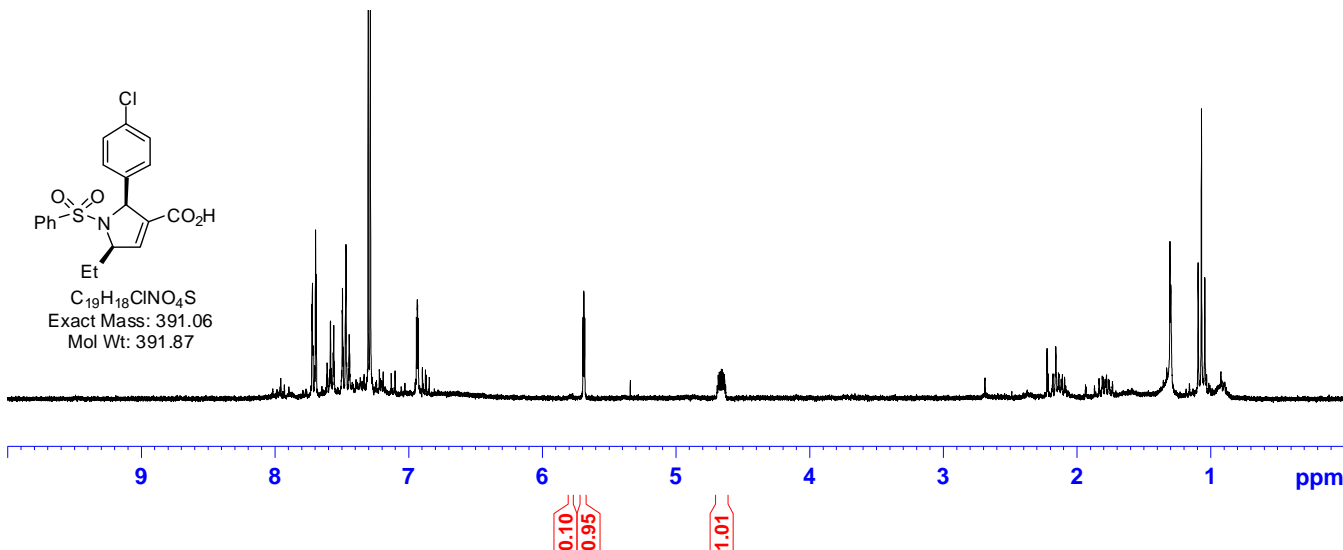
Not Included



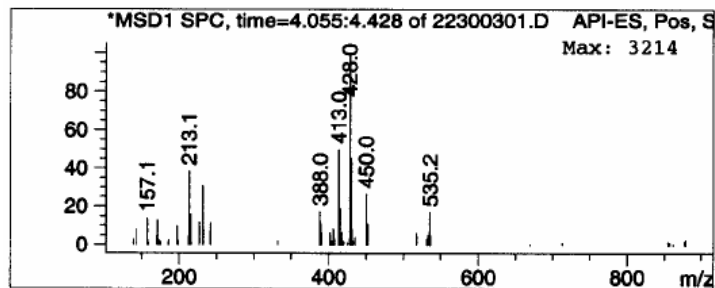
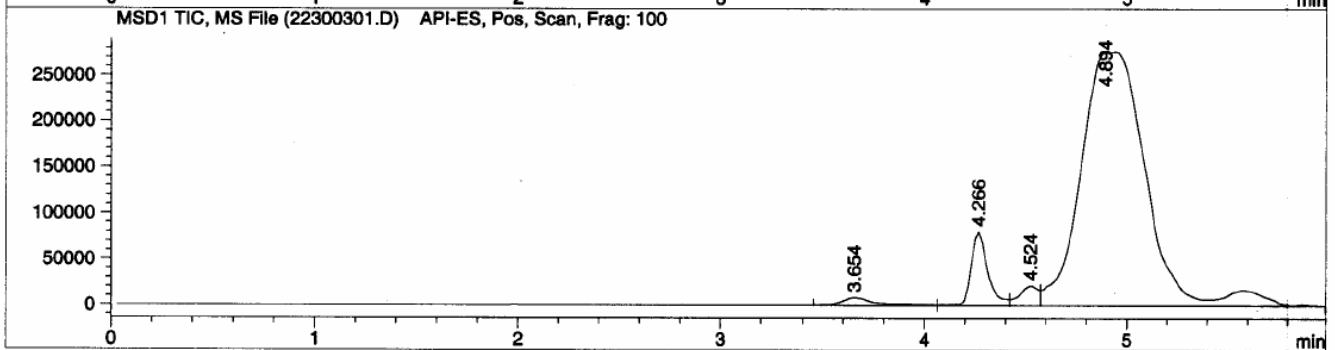
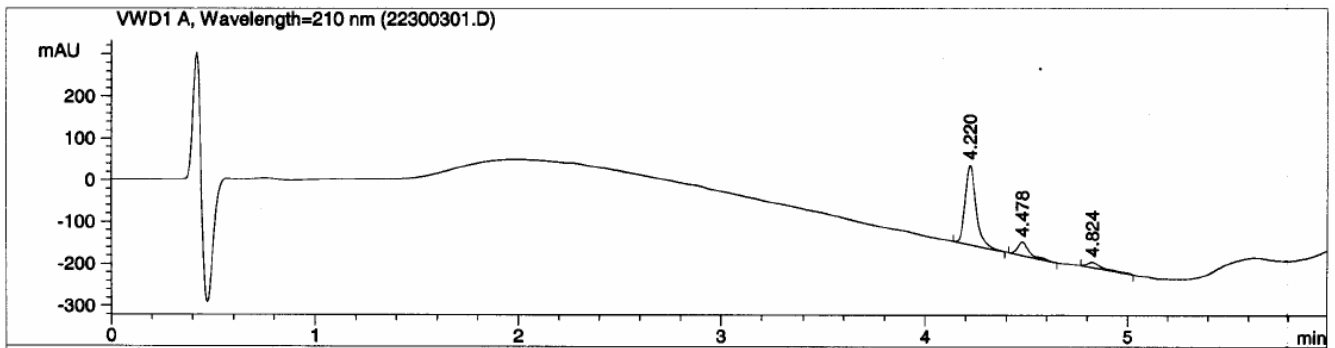
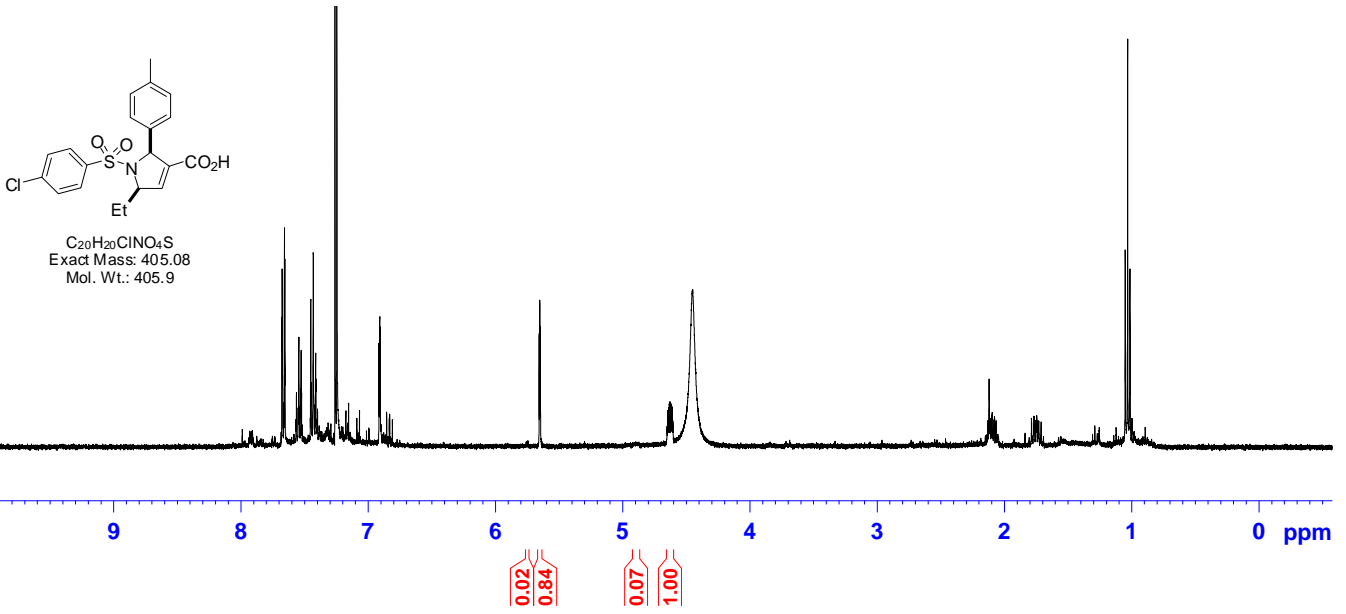
2-(4-Chlorophenyl)-5-ethyl-1-(phenylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C29)



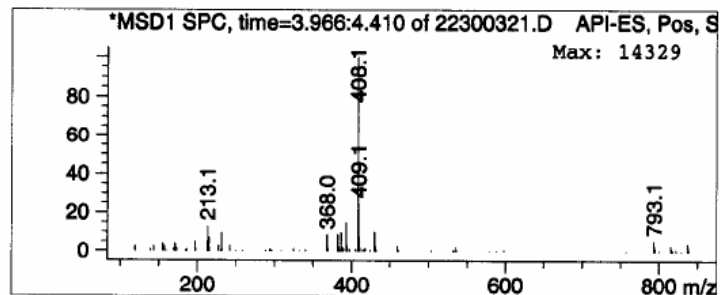
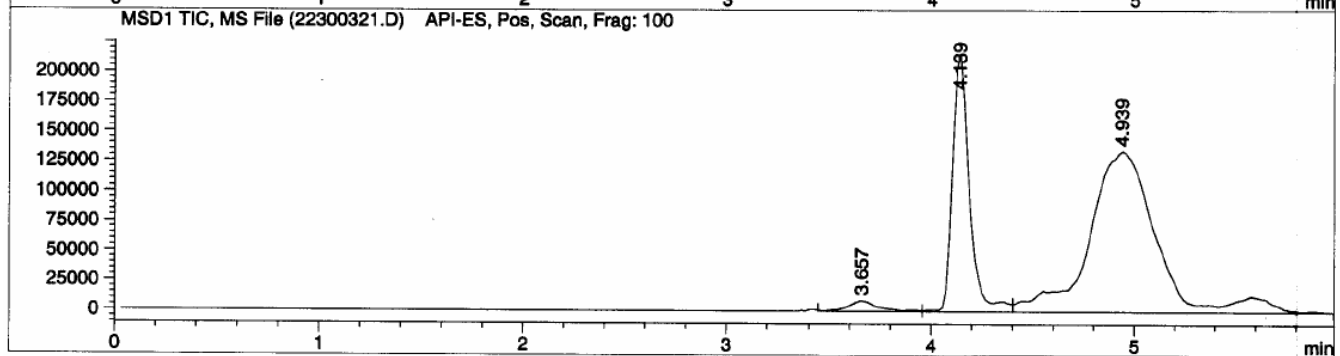
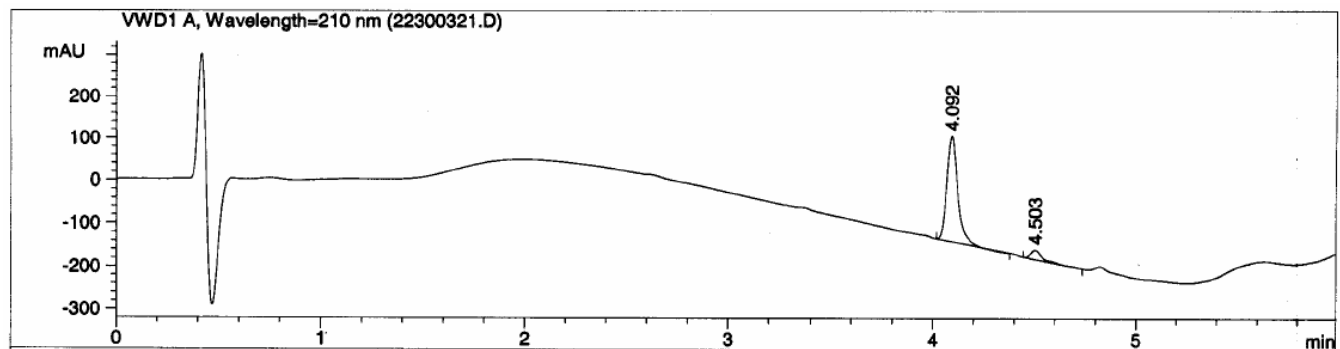
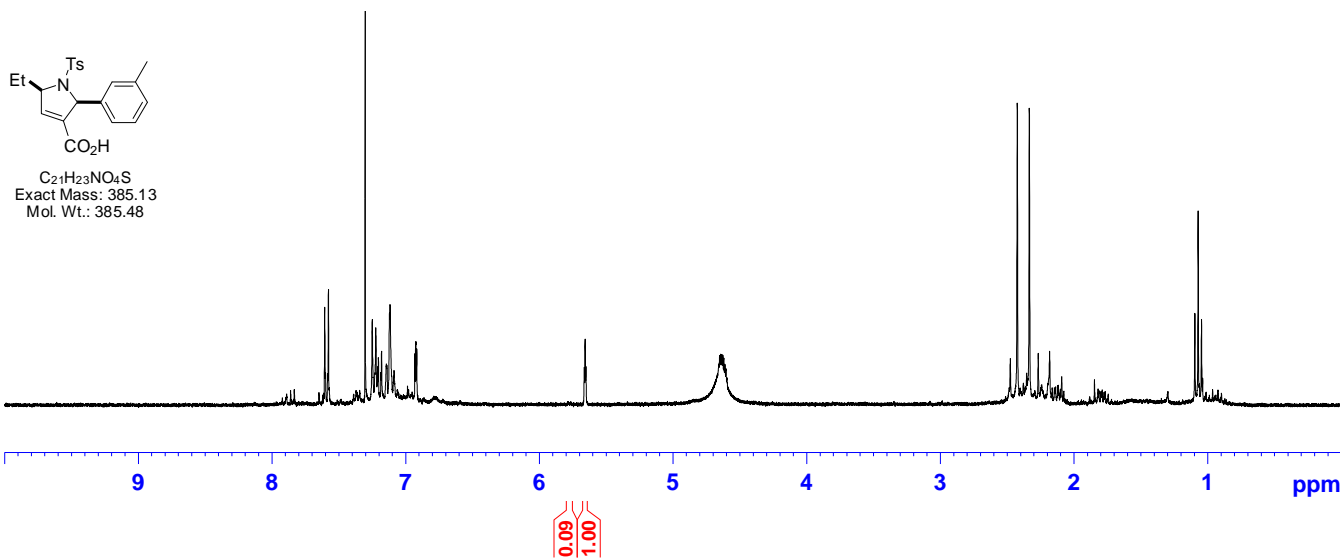
C₁₉H₁₈ClNO₄S
Exact Mass: 391.06
Mol Wt: 391.87



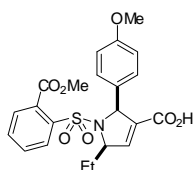
1-(4-Chlorophenylsulfonyl)-5-ethyl-2-(p-tolyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C30)



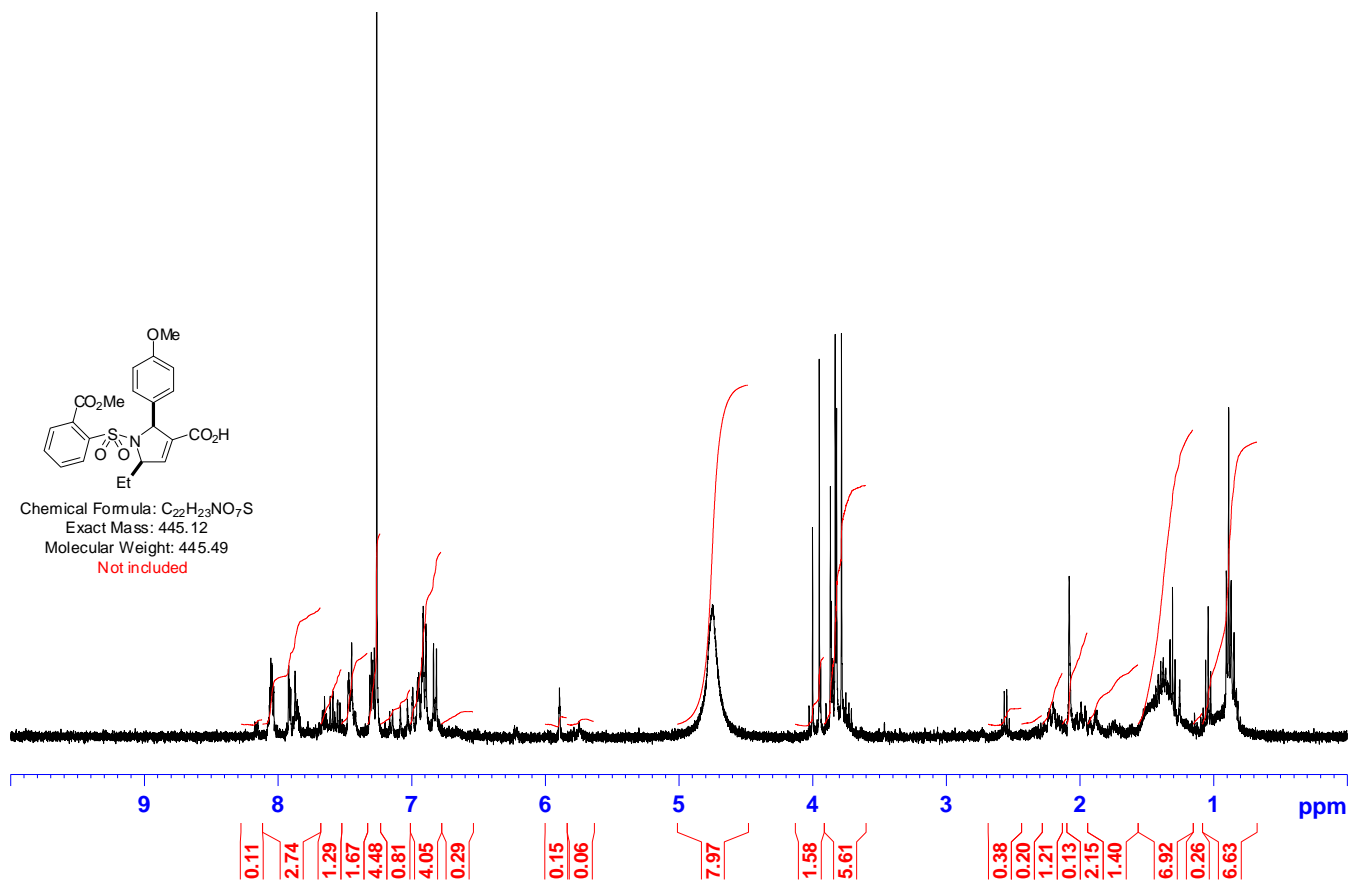
5-Ethyl-2-(*m*-tolyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C33)



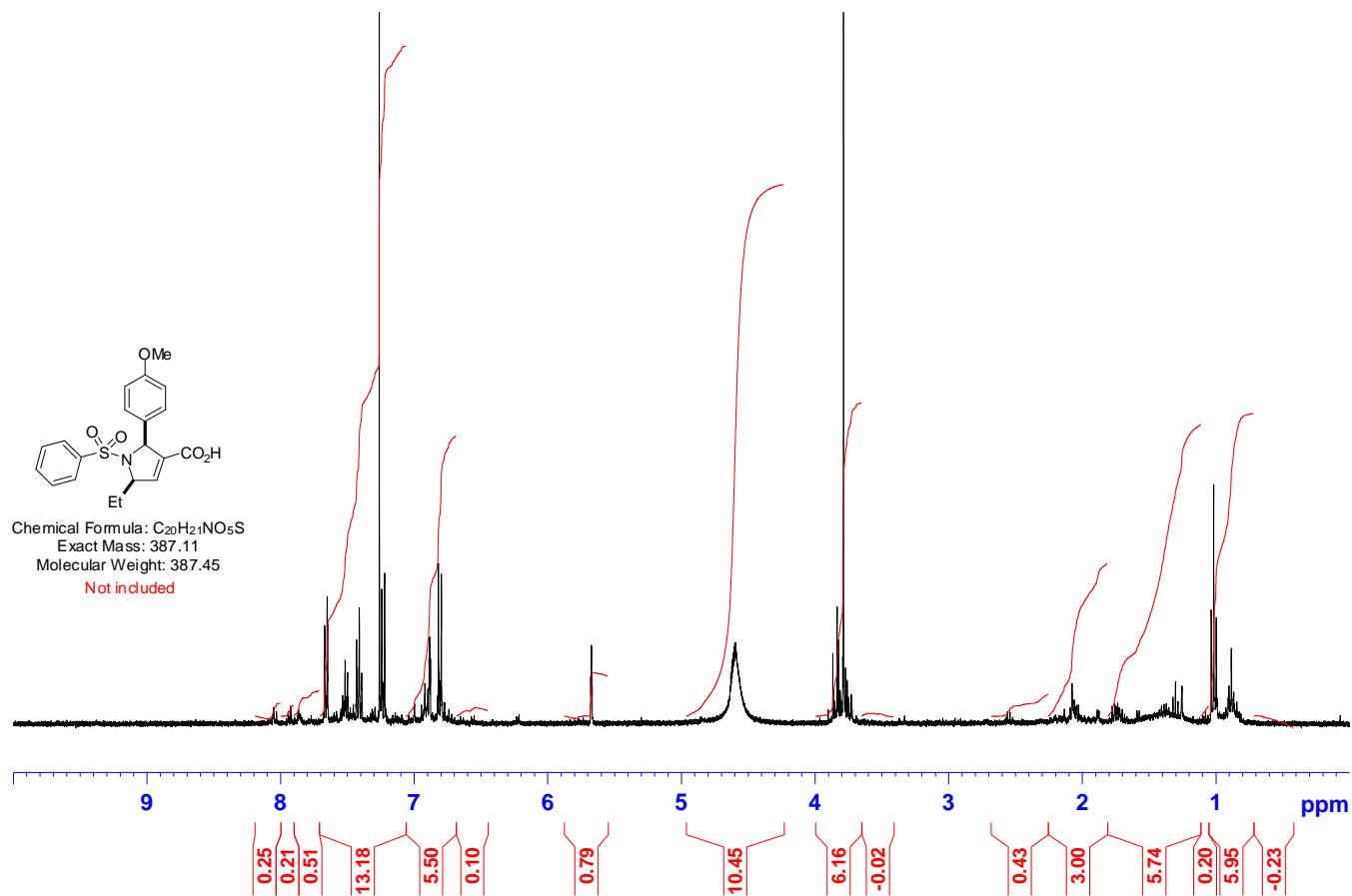
5-Ethyl-1-(2-(methoxycarbonyl)phenylsulfonyl)-2-(4-methoxyphenyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C34)



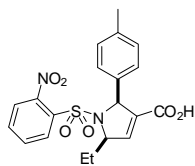
Chemical Formula: C₂₂H₂₃NO₇S
Exact Mass: 445.12
Molecular Weight: 445.49
Not included



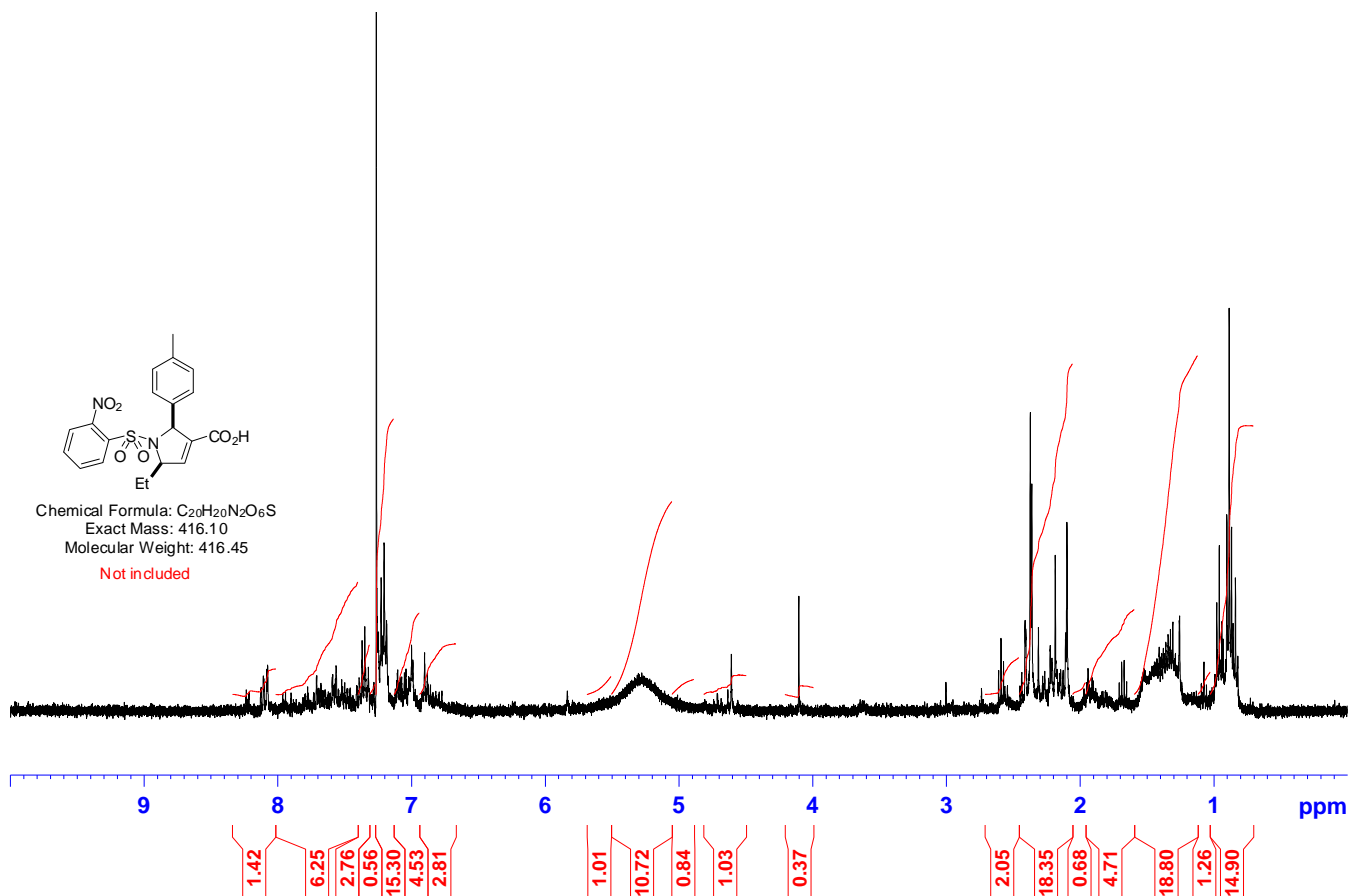
5-Ethyl-2-(4-methoxyphenyl)-1-(phenylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C35)



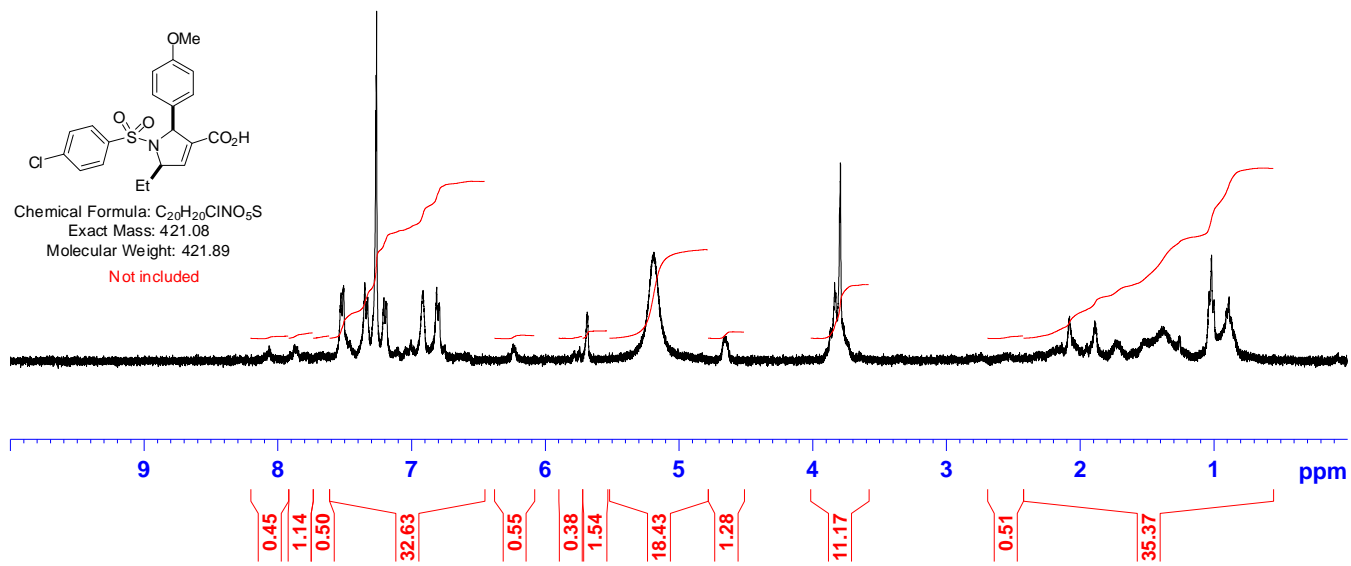
5-Ethyl-1-(2-nitrophenylsulfonyl)-2-*p*-tolyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C36)



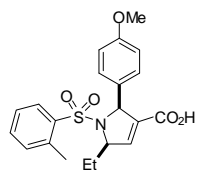
Chemical Formula: C₂₀H₂₀N₂O₆S
Exact Mass: 416.10
Molecular Weight: 416.45
Not included



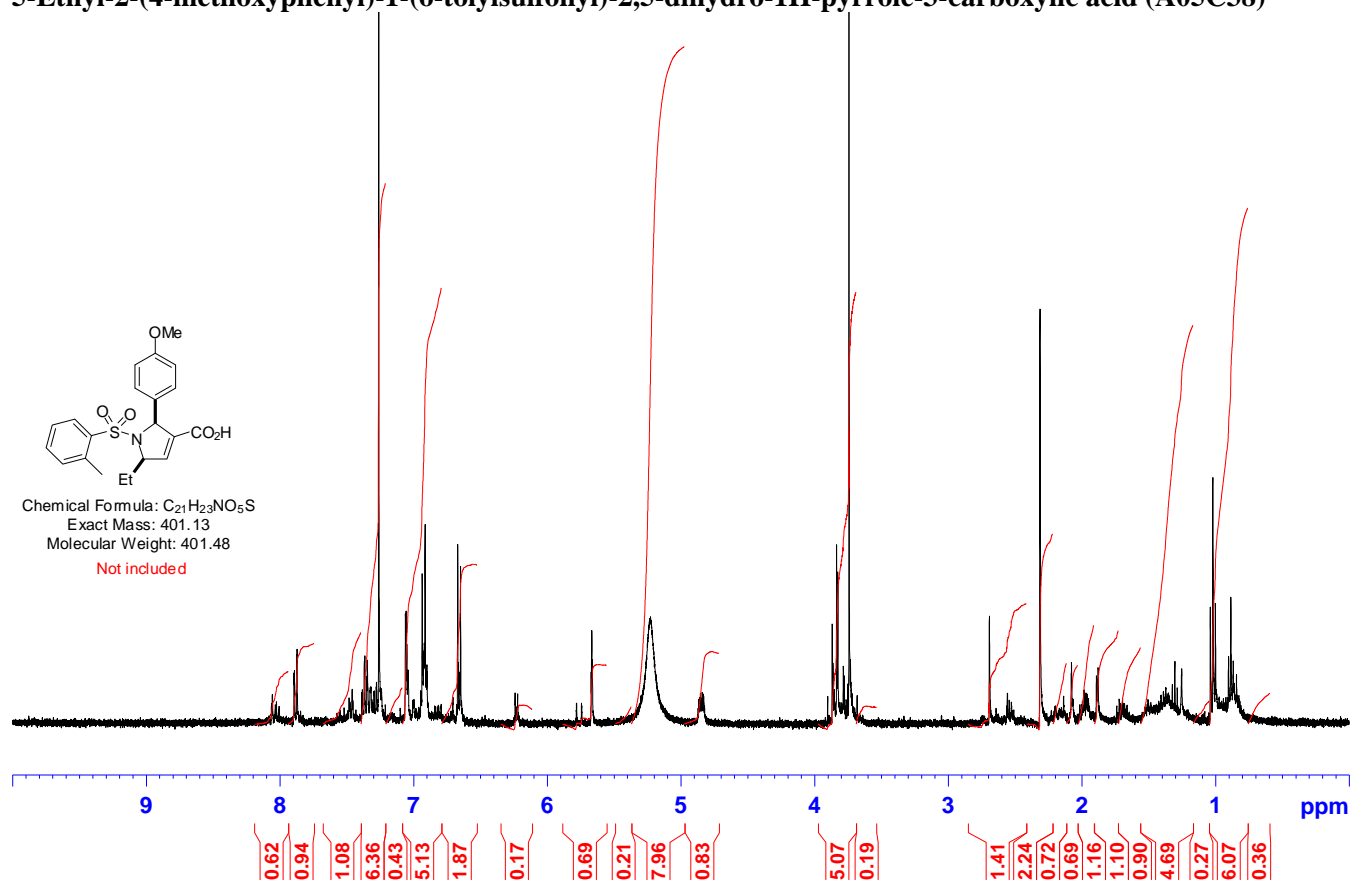
1-(4-Chlorophenylsulfonyl)-5-ethyl-2-(4-methoxyphenyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C37)



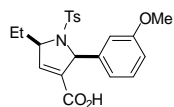
5-Ethyl-2-(4-methoxyphenyl)-1-(o-tolylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C38)



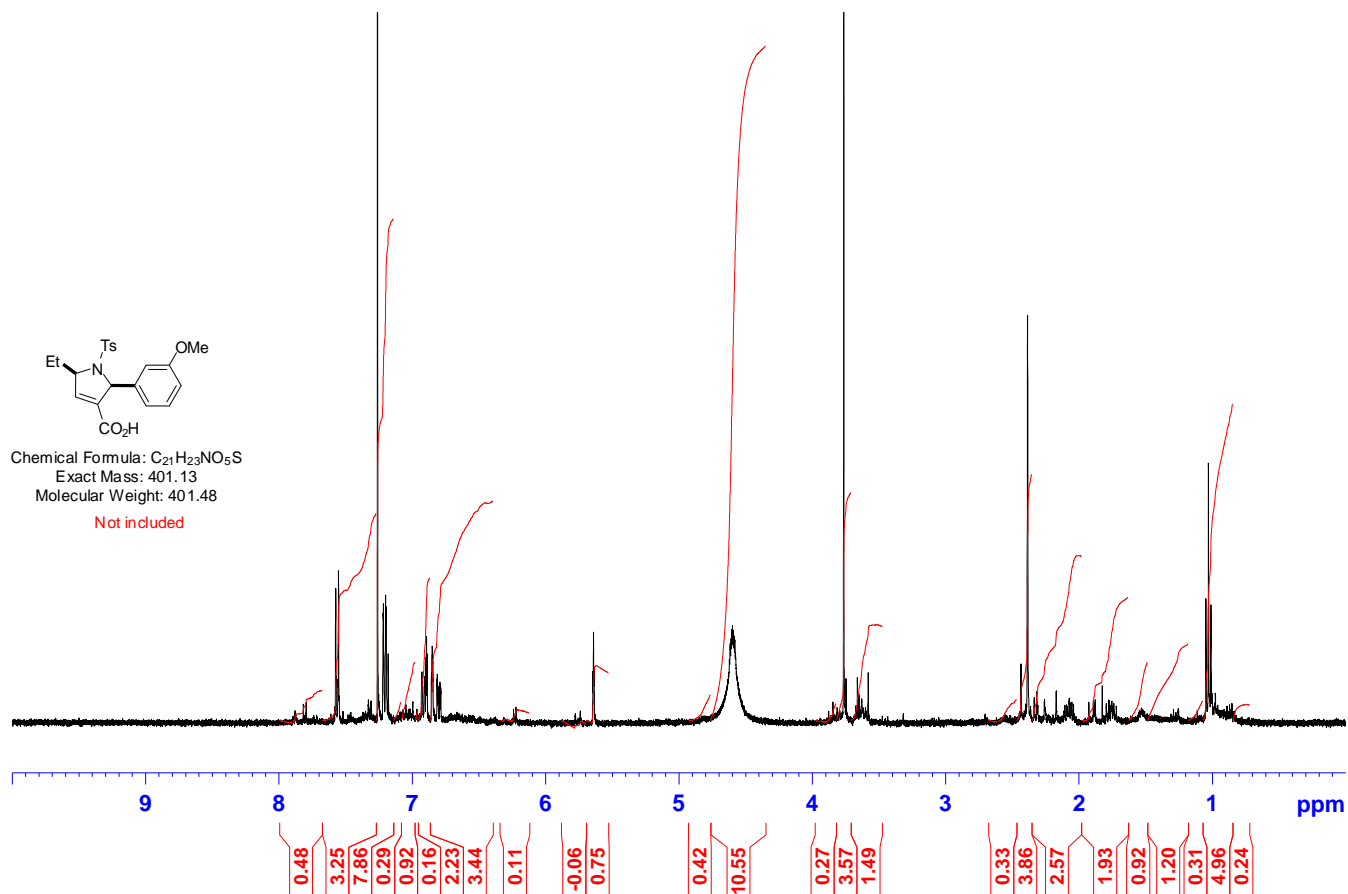
Chemical Formula: C₂₁H₂₃NO₅S
Exact Mass: 401.13
Molecular Weight: 401.48
Not included



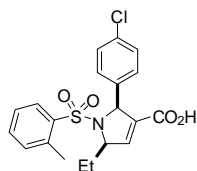
5-Ethyl-2-(3-methoxyphenyl)-1-tosyl-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C39)



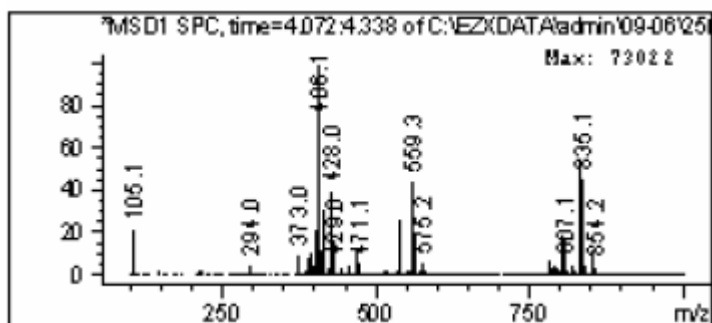
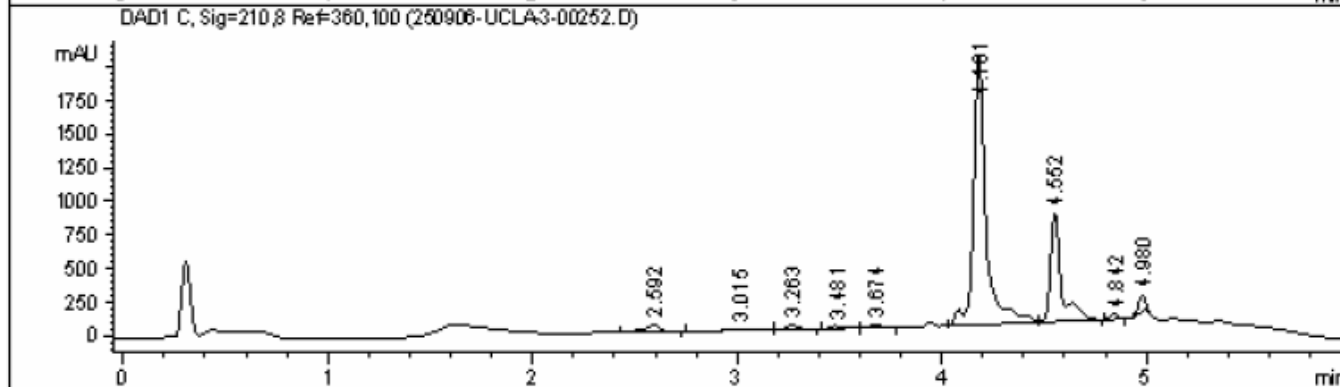
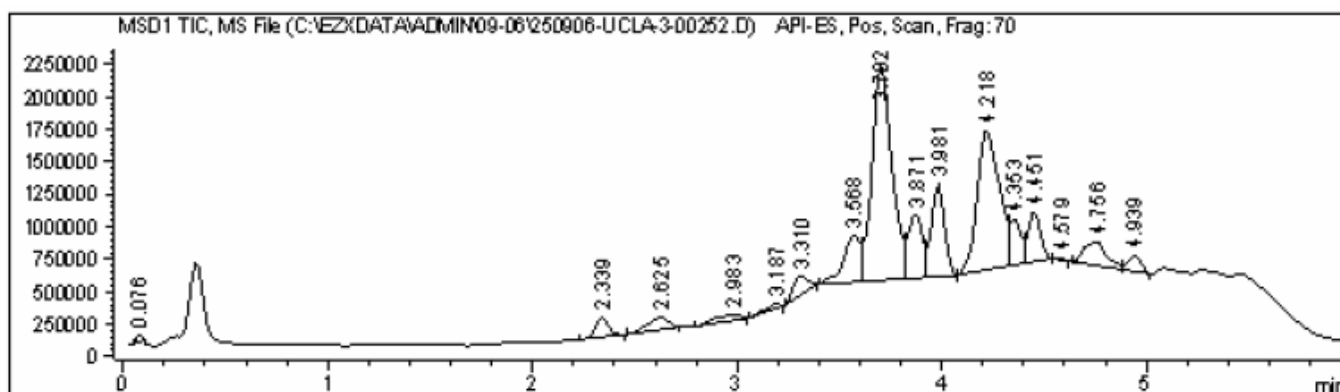
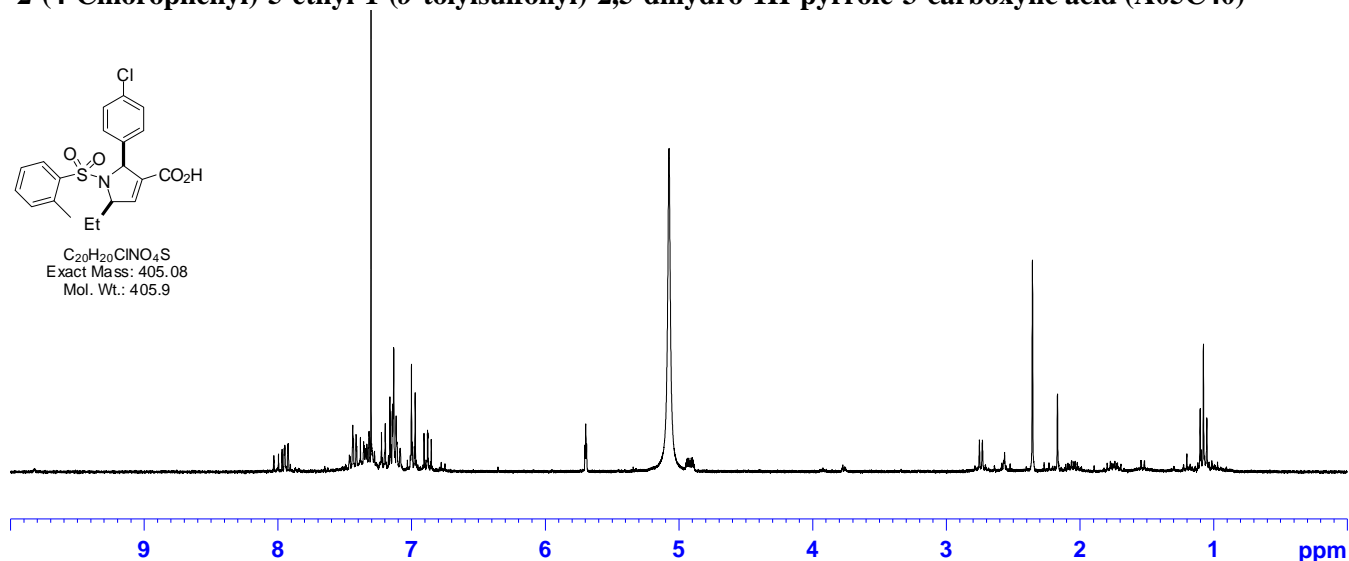
Chemical Formula: C₂₁H₂₃NO₅S
Exact Mass: 401.13
Molecular Weight: 401.48
Not included



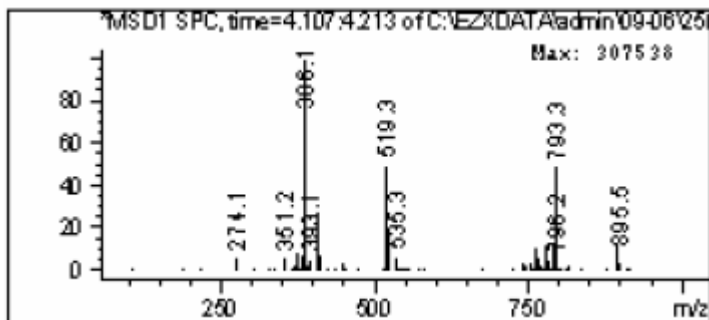
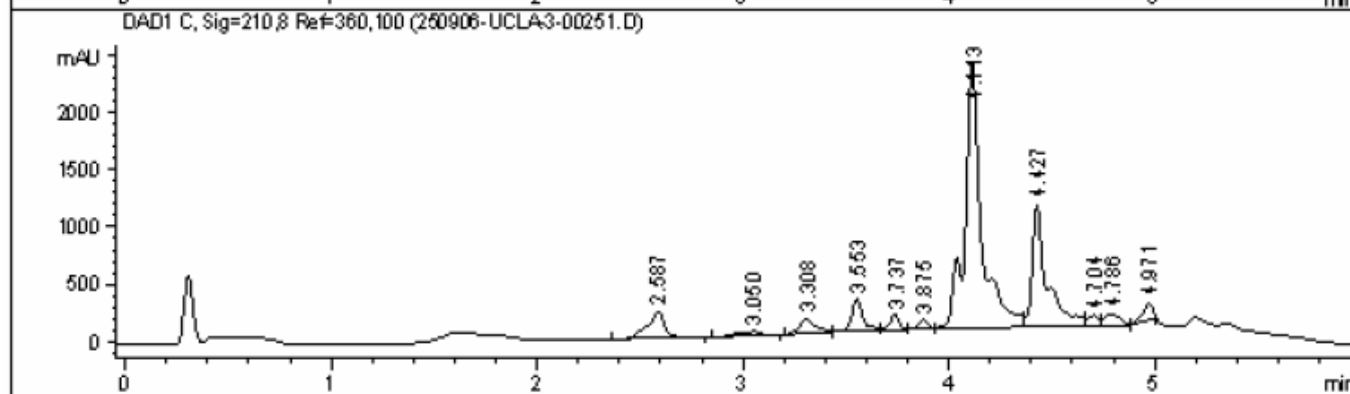
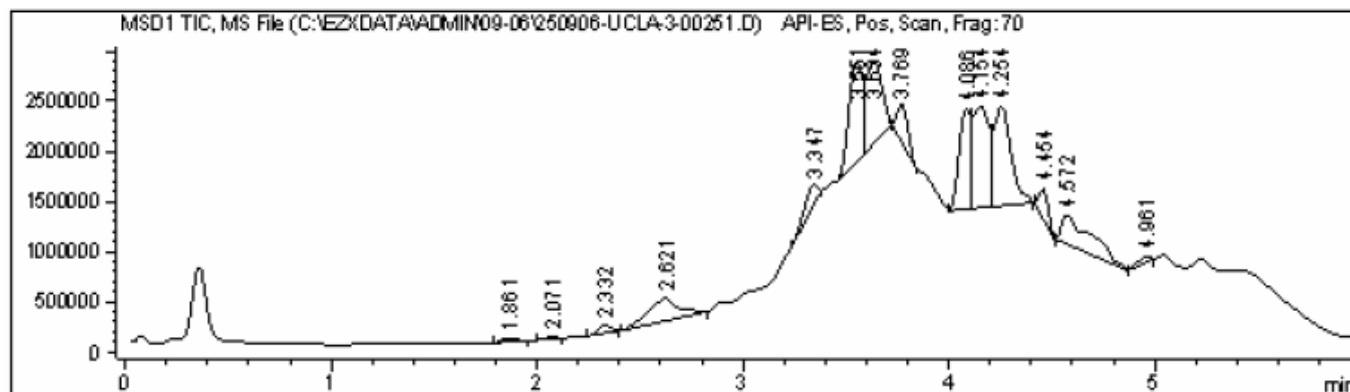
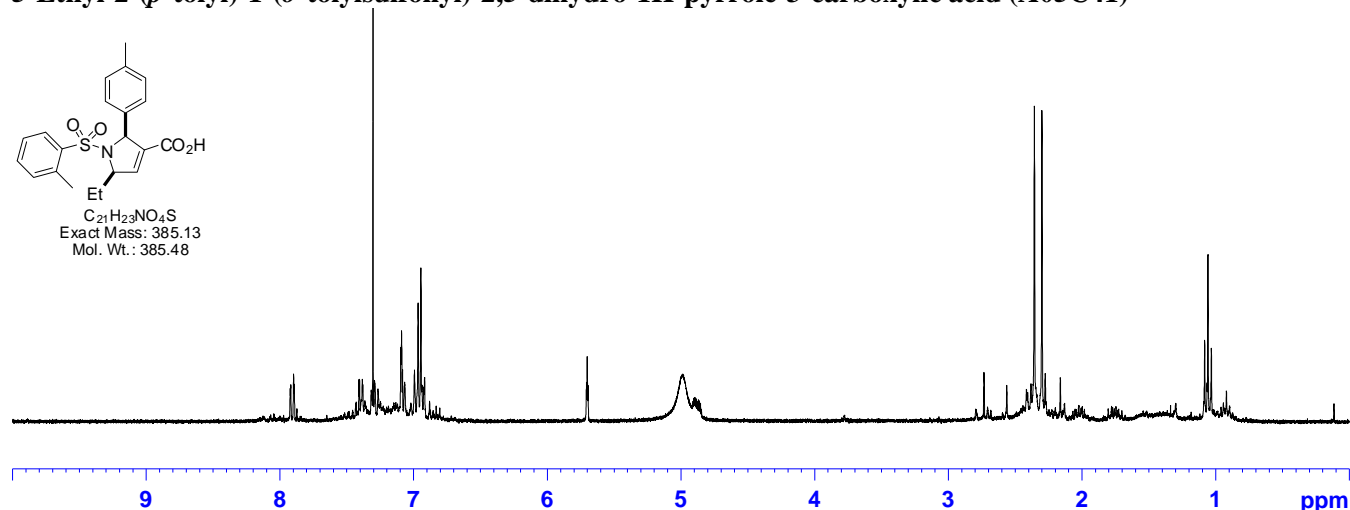
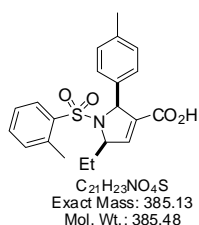
2-(4-Chlorophenyl)-5-ethyl-1-(*o*-tolylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C40)



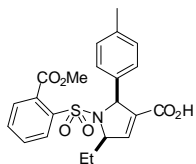
C₂₀H₂₀ClNO₄S
 Exact Mass: 405.08
 Mol. Wt.: 405.9



5-Ethyl-2-(*p*-tolyl)-1-(*o*-tolylsulfonyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C41)



5-Ethyl-1-(2-(methoxycarbonyl)phenylsulfonyl)-2-(*p*-tolyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C42)

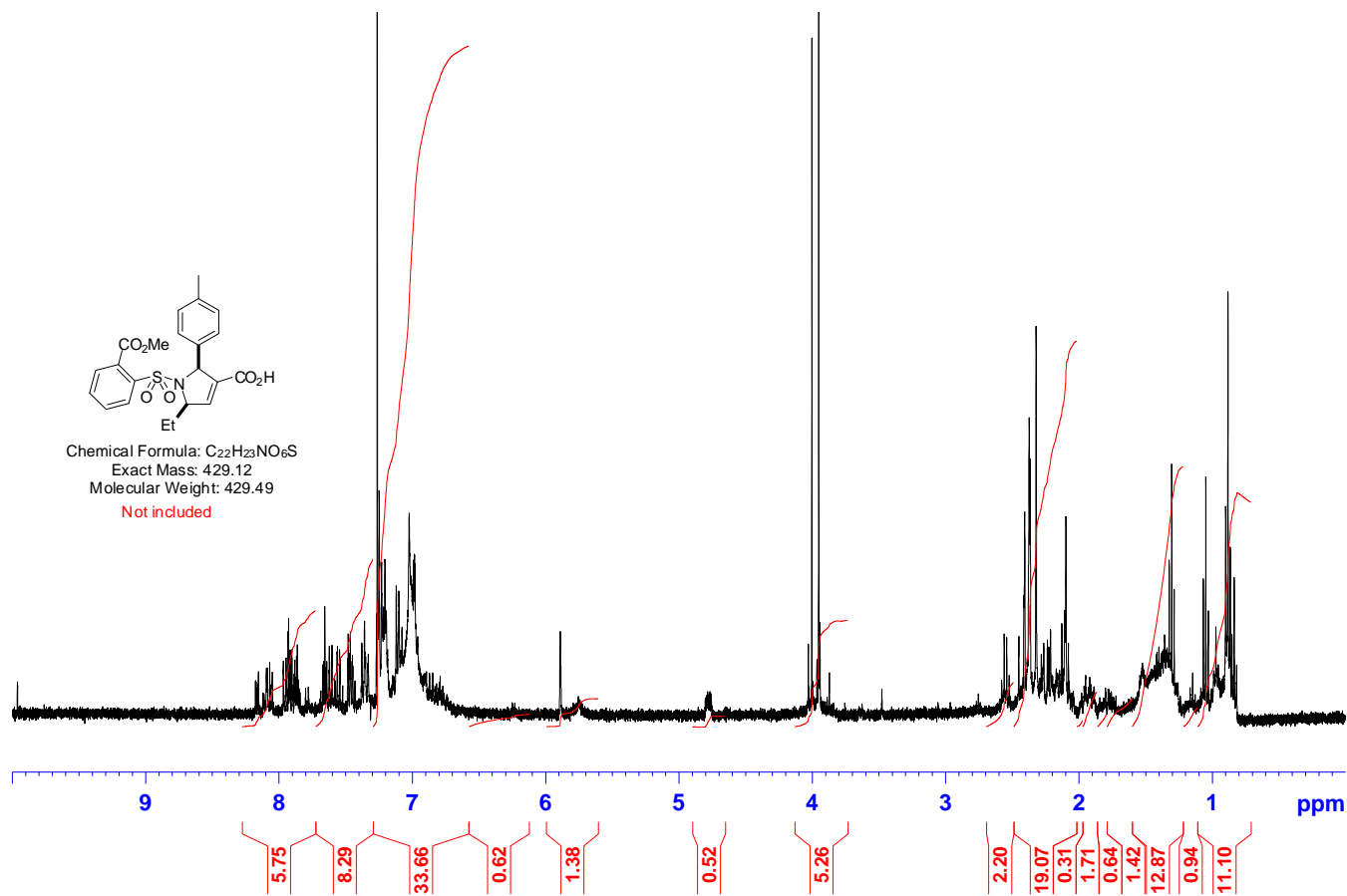


Chemical Formula: C₂₂H₂₃NO₆S

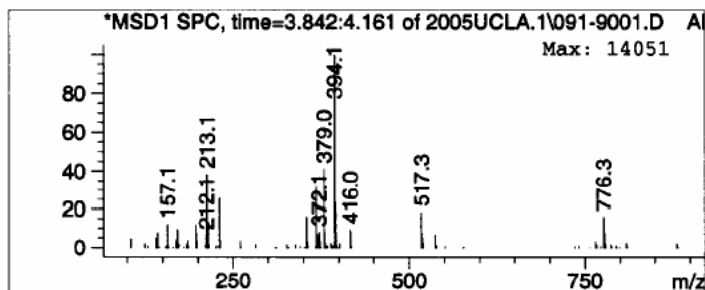
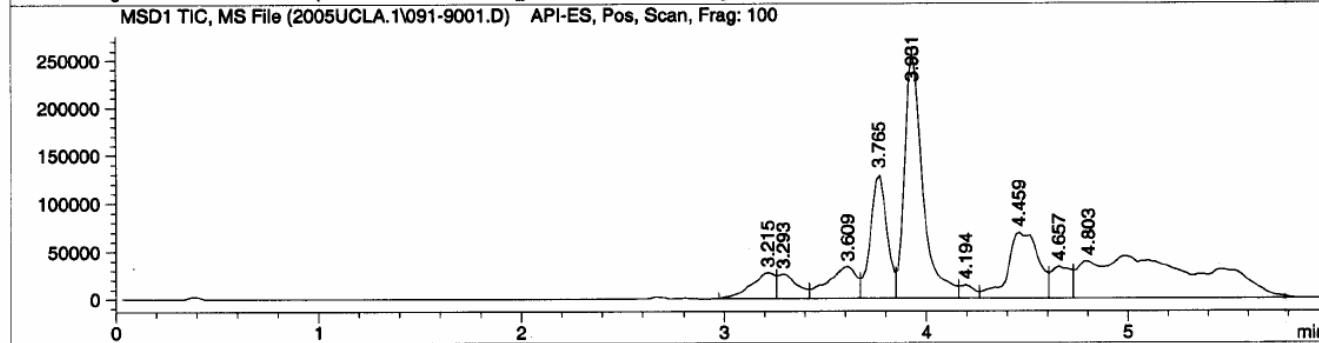
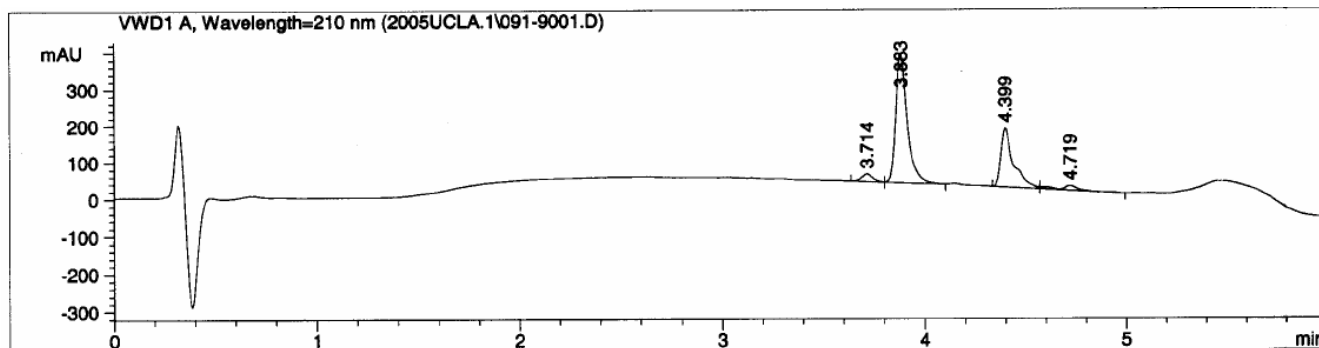
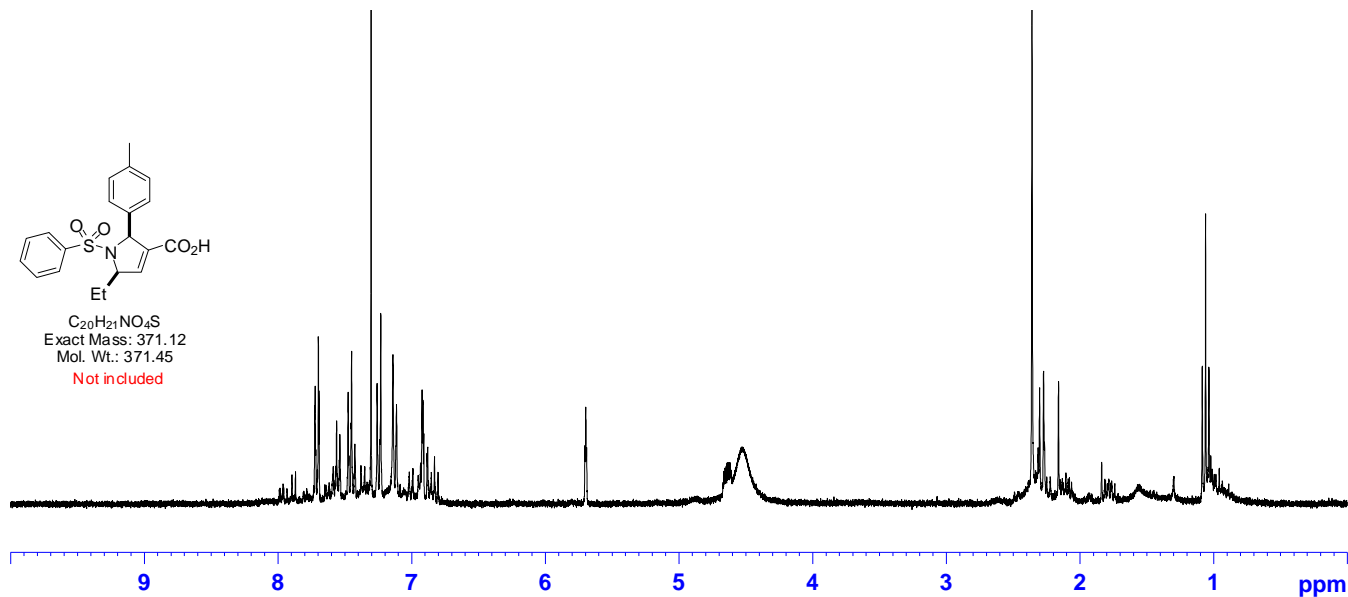
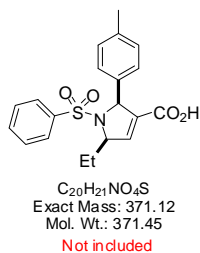
Exact Mass: 429.12

Molecular Weight: 429.49

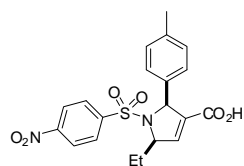
Not included



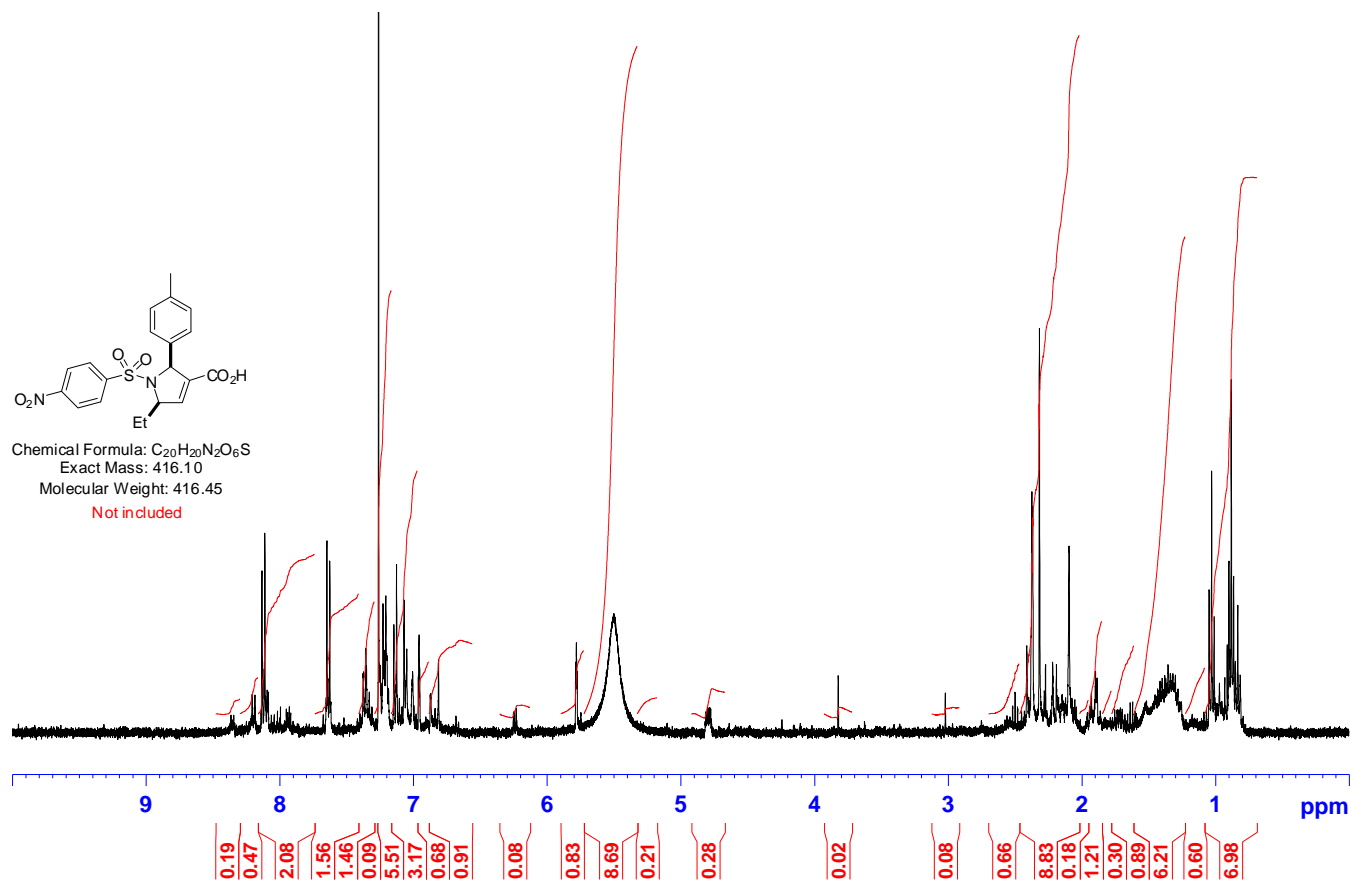
5-Ethyl-1-(phenylsulfonyl)-2-(*p*-tolyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C43)



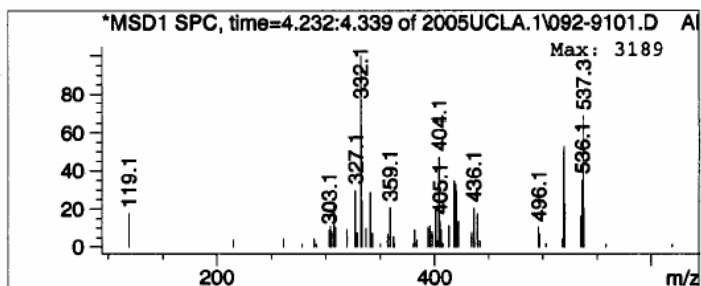
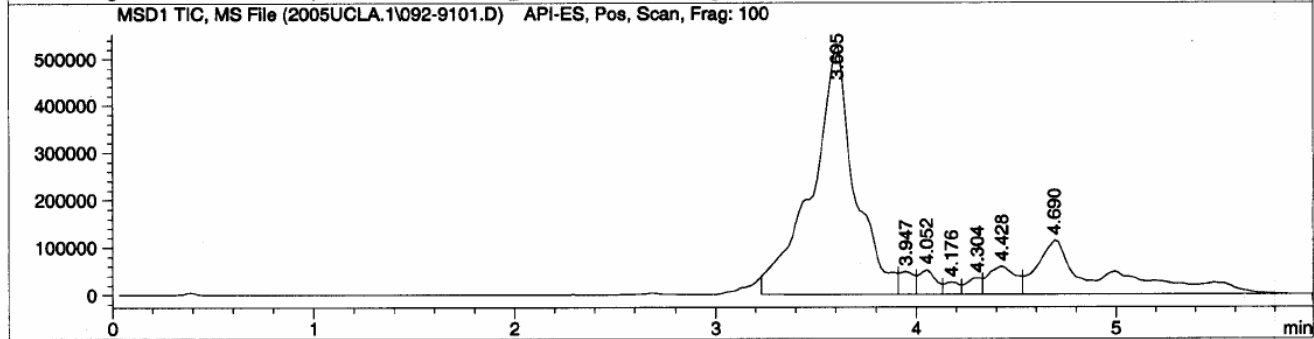
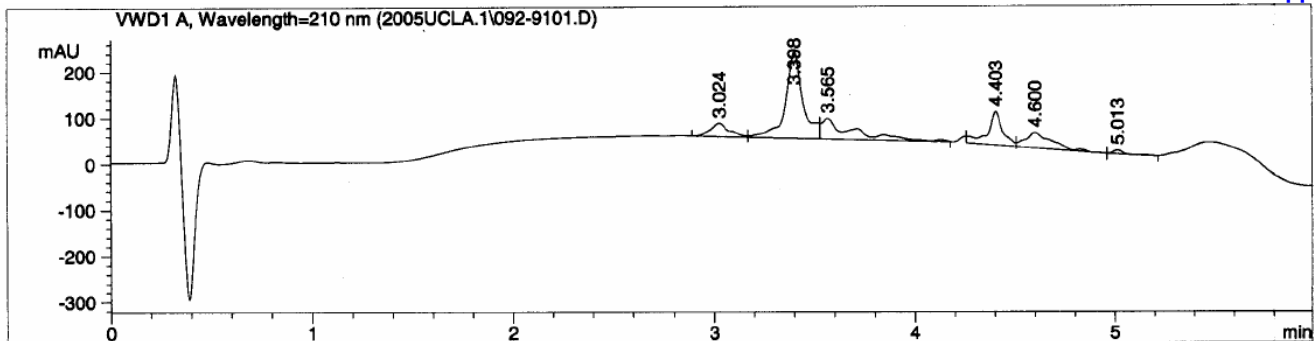
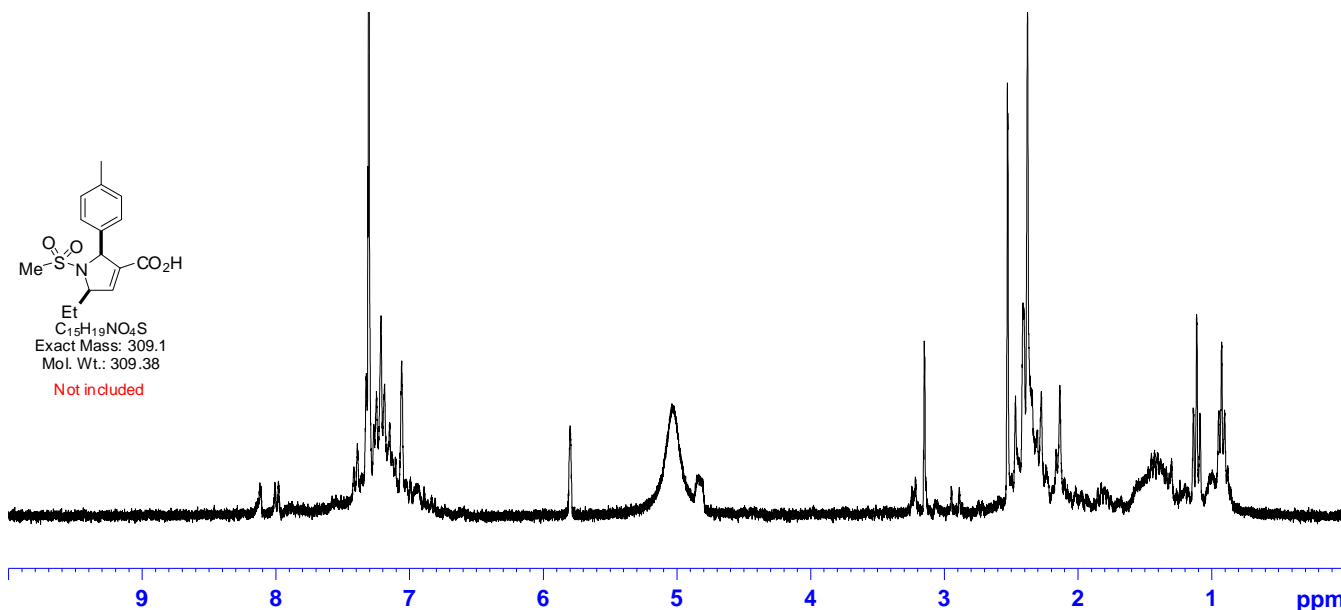
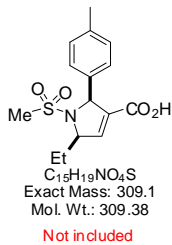
5-Ethyl-1-(4-nitrophenylsulfonyl)-2-(*p*-tolyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C44)



Chemical Formula: C₂₀H₂₀N₂O₆S
Exact Mass: 416.10
Molecular Weight: 416.45
Not included

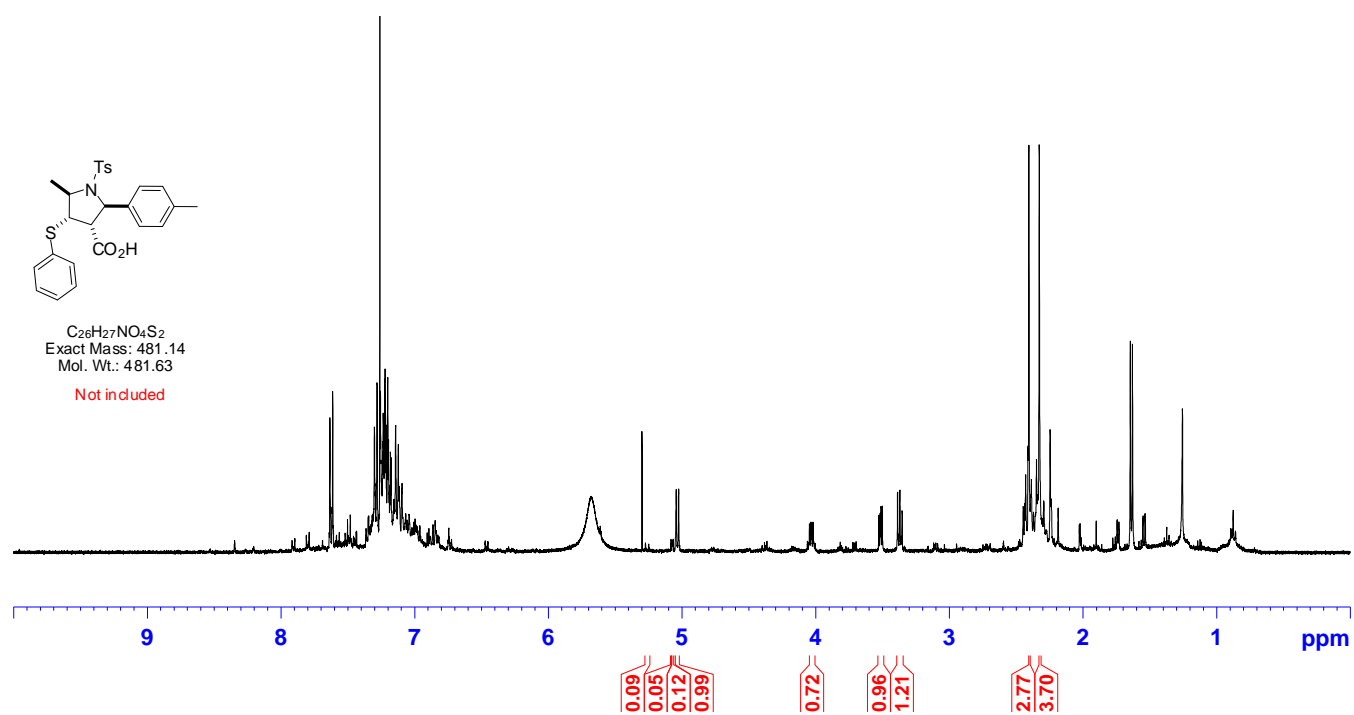


5-Ethyl-1-(methylsulfonyl)-2-(p-tolyl)-2,5-dihydro-1H-pyrrole-3-carboxylic acid (A05C46)

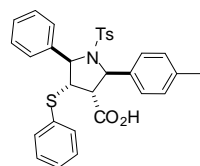


Spectral Data for Table 9

5-Methyl-4-(phenylthio)-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A02C02E01)

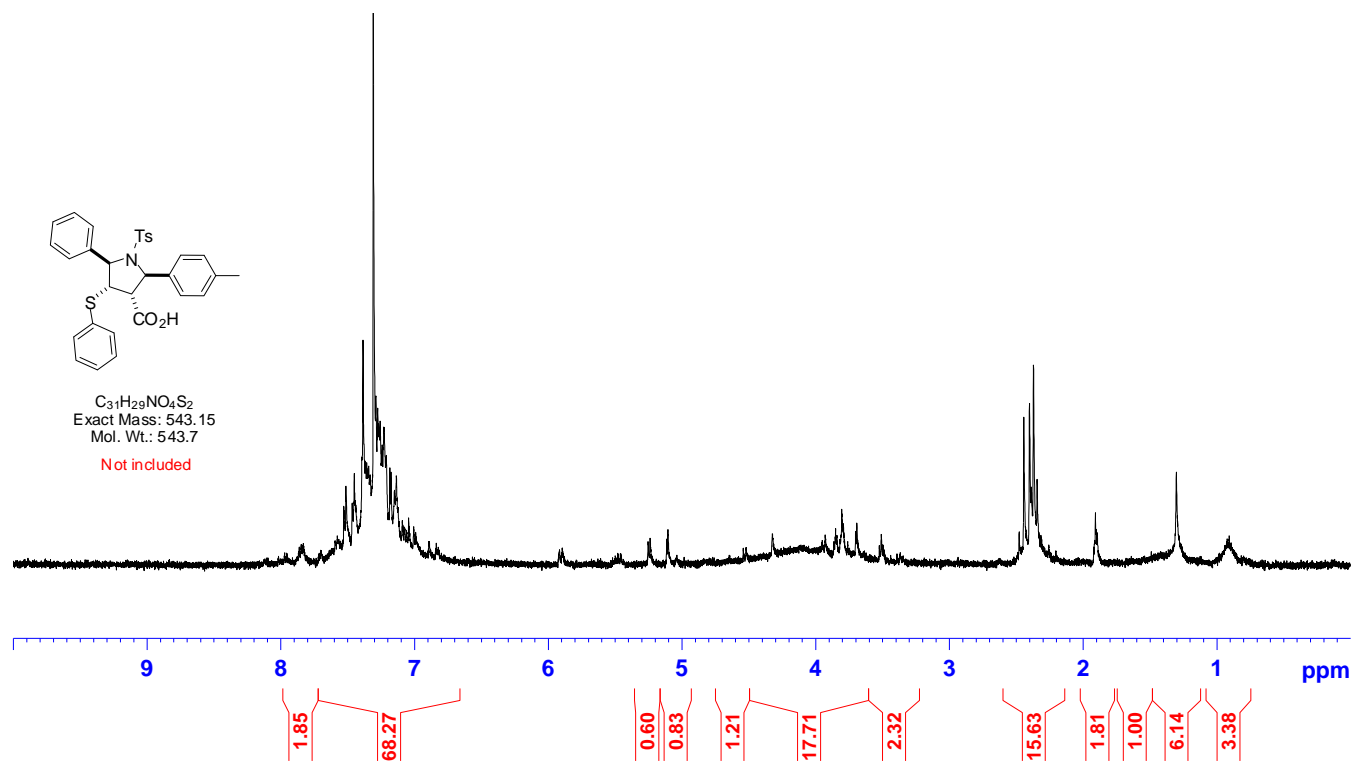


5-Phenyl-4-(phenylthio)-2-(p-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A04C02E01)

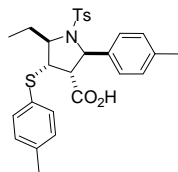


C₃₁H₂₉NO₄S₂
Exact Mass: 543.15
Mol. Wt.: 543.7

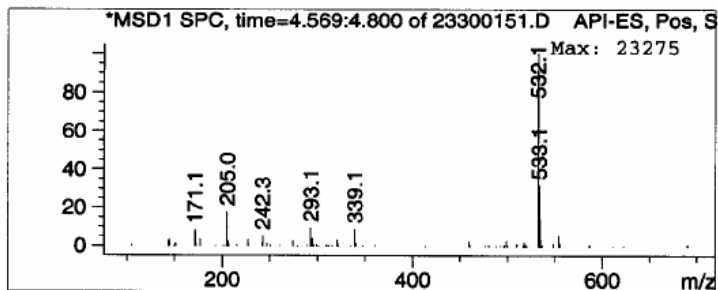
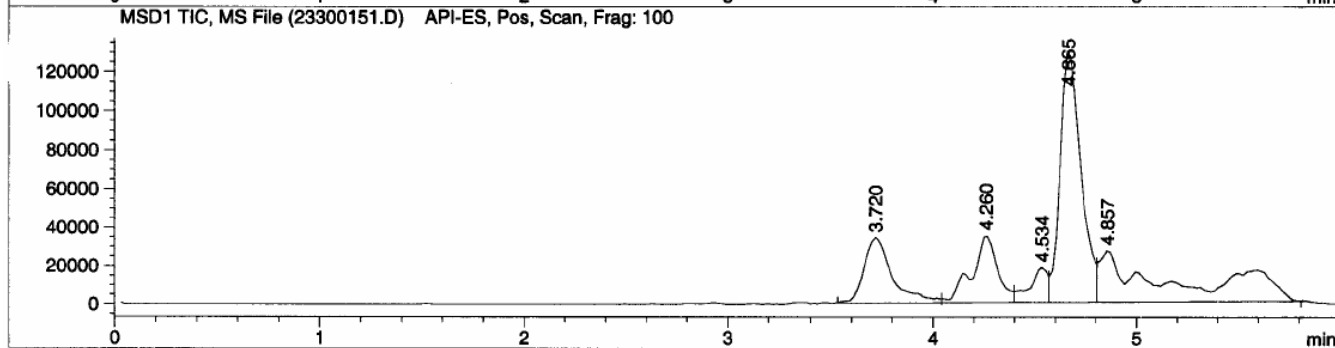
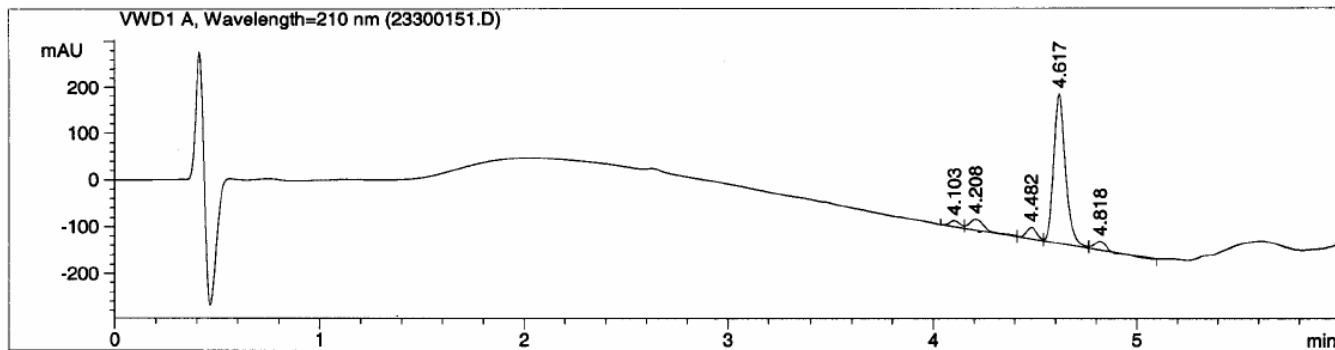
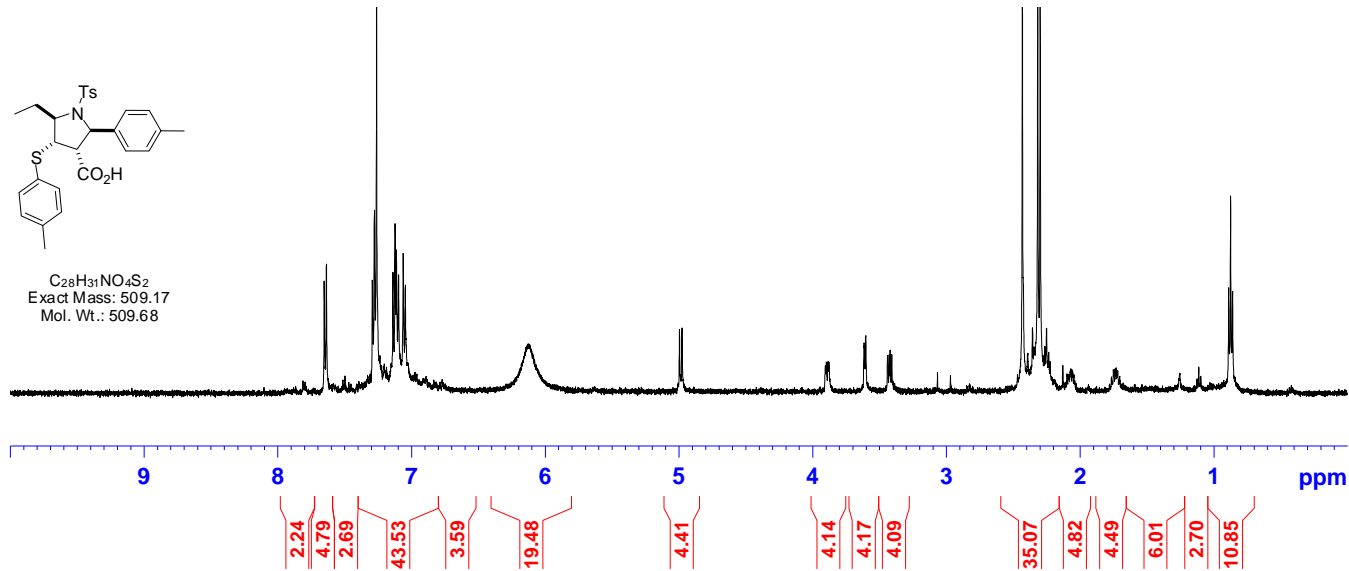
Not included



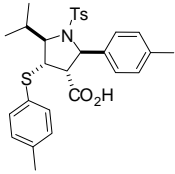
5-Ethyl-2-(*p*-tolyl)-4-(*p*-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E02)



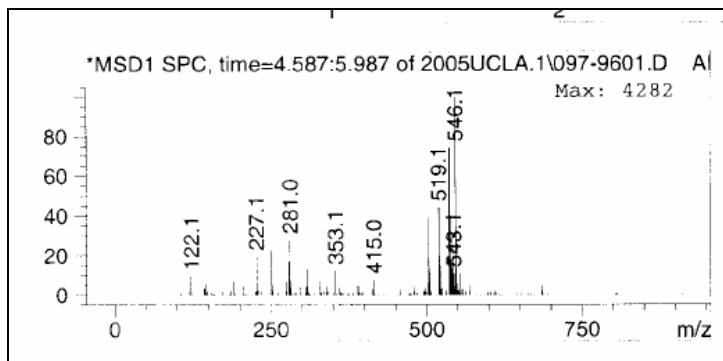
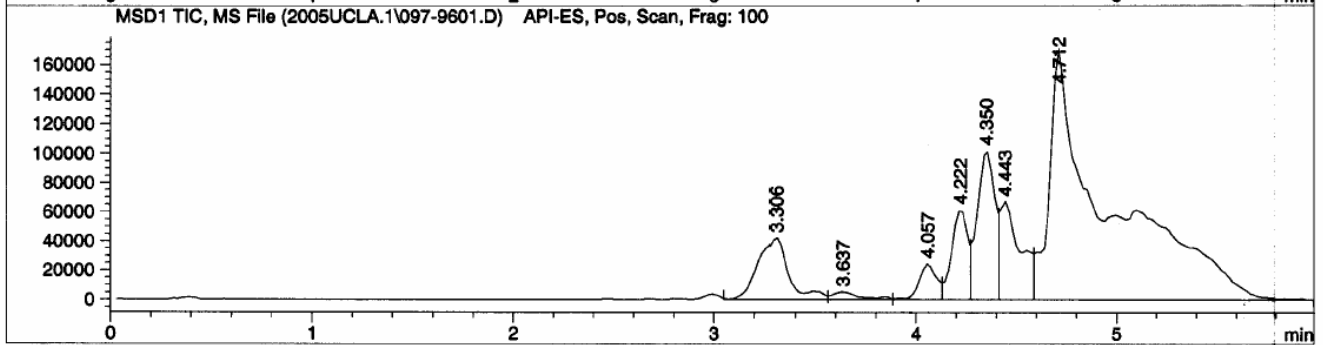
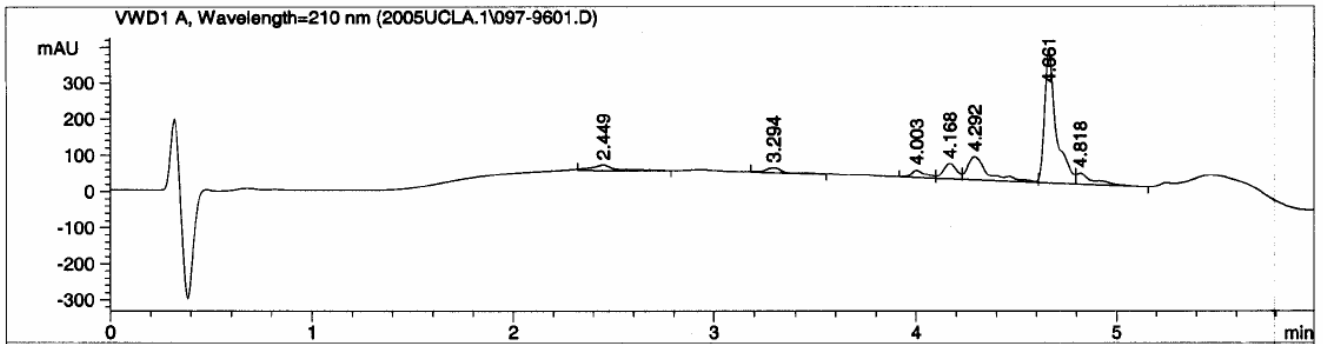
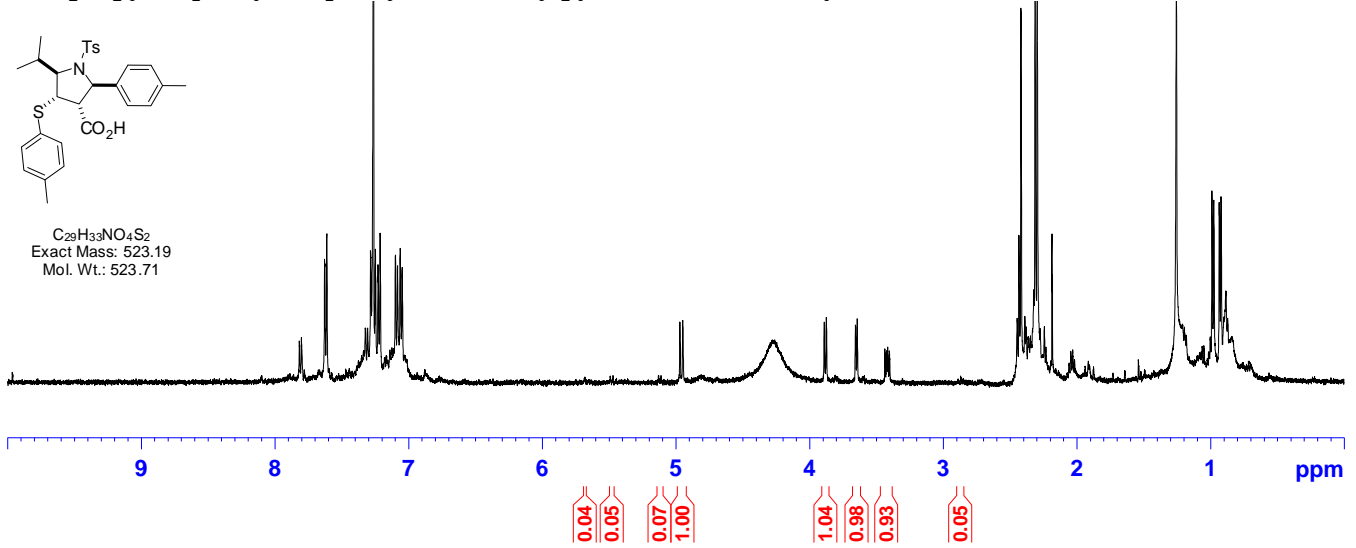
C₂₈H₃₁NO₄S₂
 Exact Mass: 509.17
 Mol. Wt.: 509.68



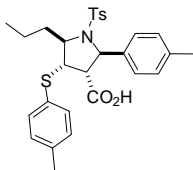
5-Isopropyl-2-(*p*-tolyl)-4-(*p*-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A06C02E02)



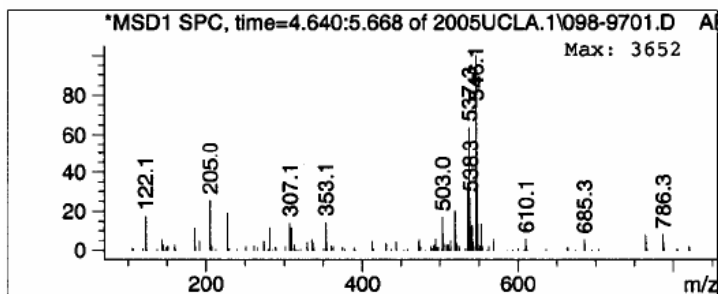
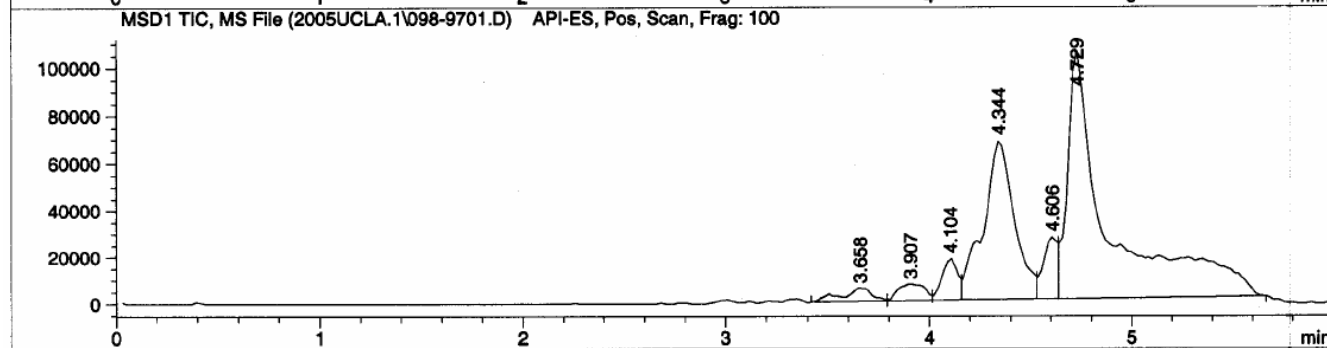
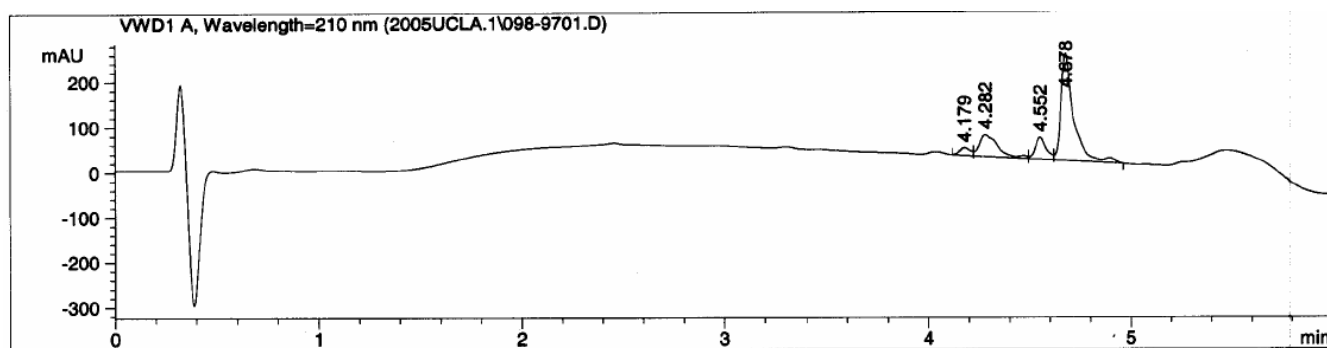
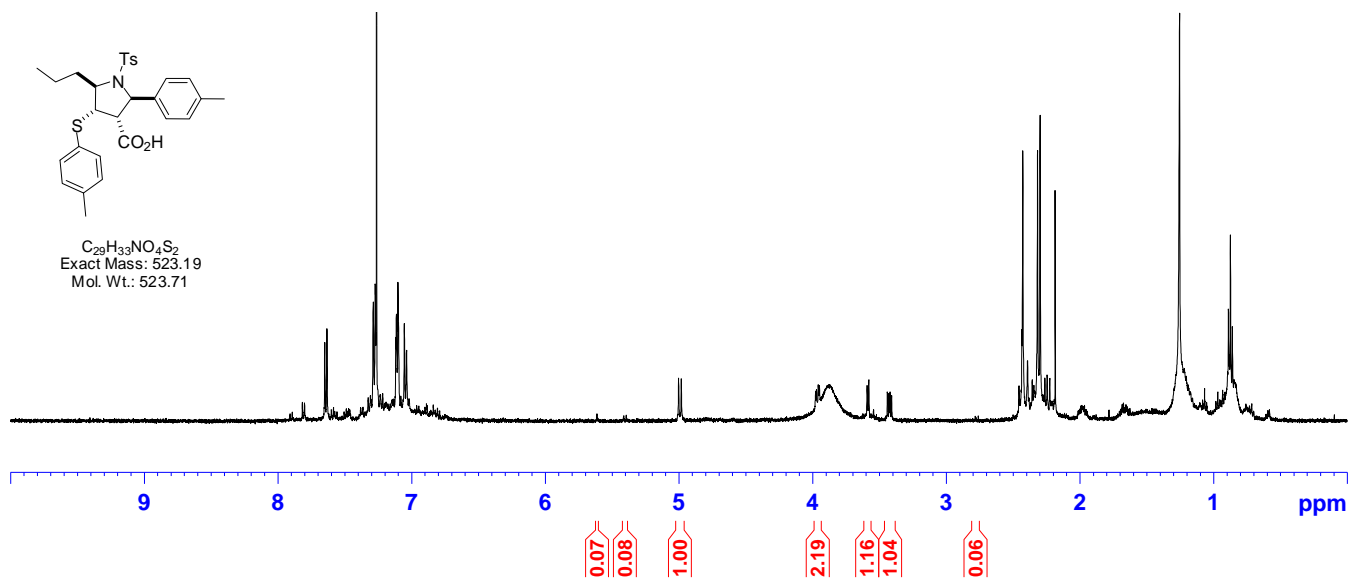
C₂₉H₃₃NO₄S₂
 Exact Mass: 523.19
 Mol. Wt.: 523.71



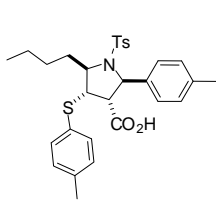
5-Propyl-2-(*p*-tolyl)-4-(*p*-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A07C02E02)



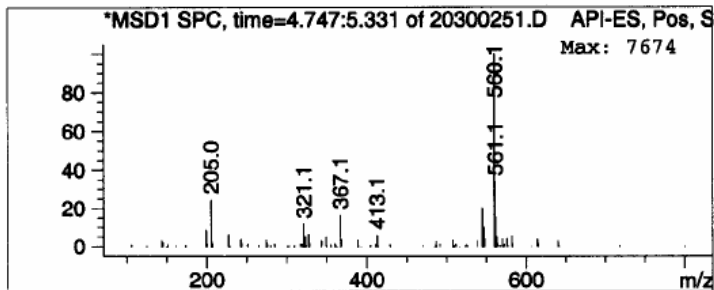
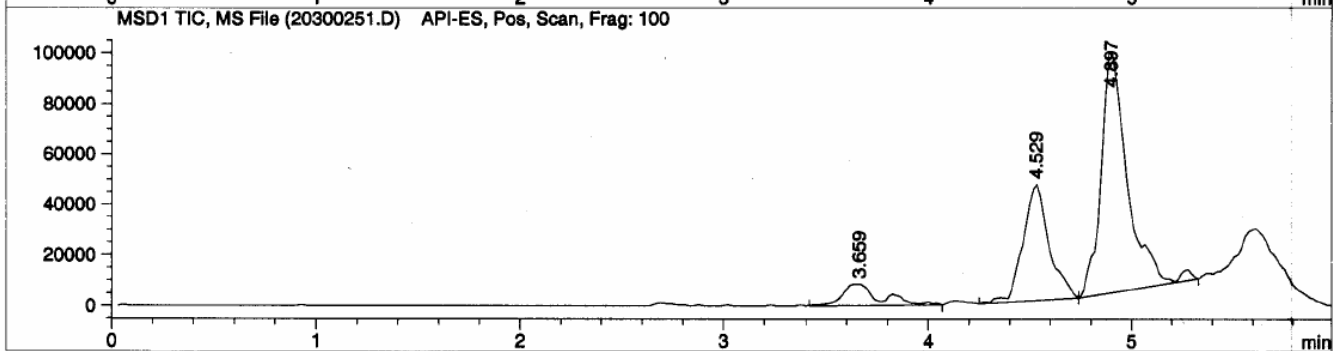
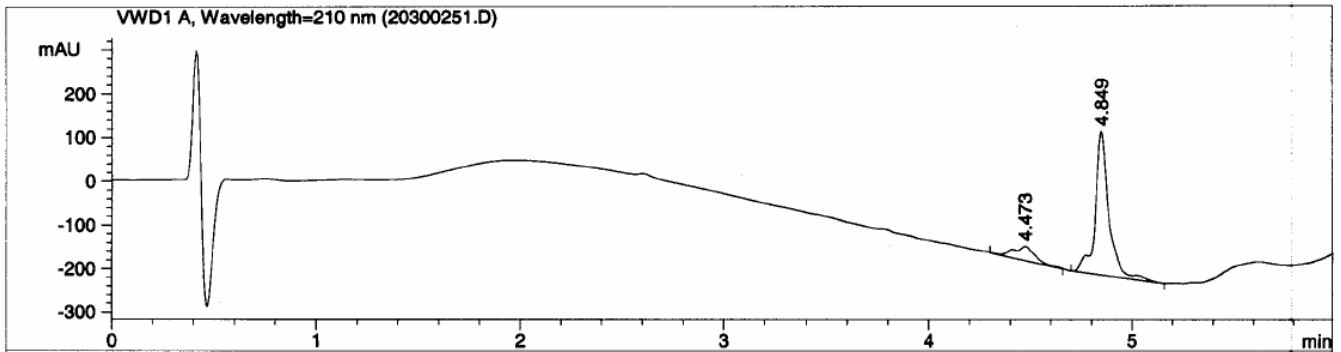
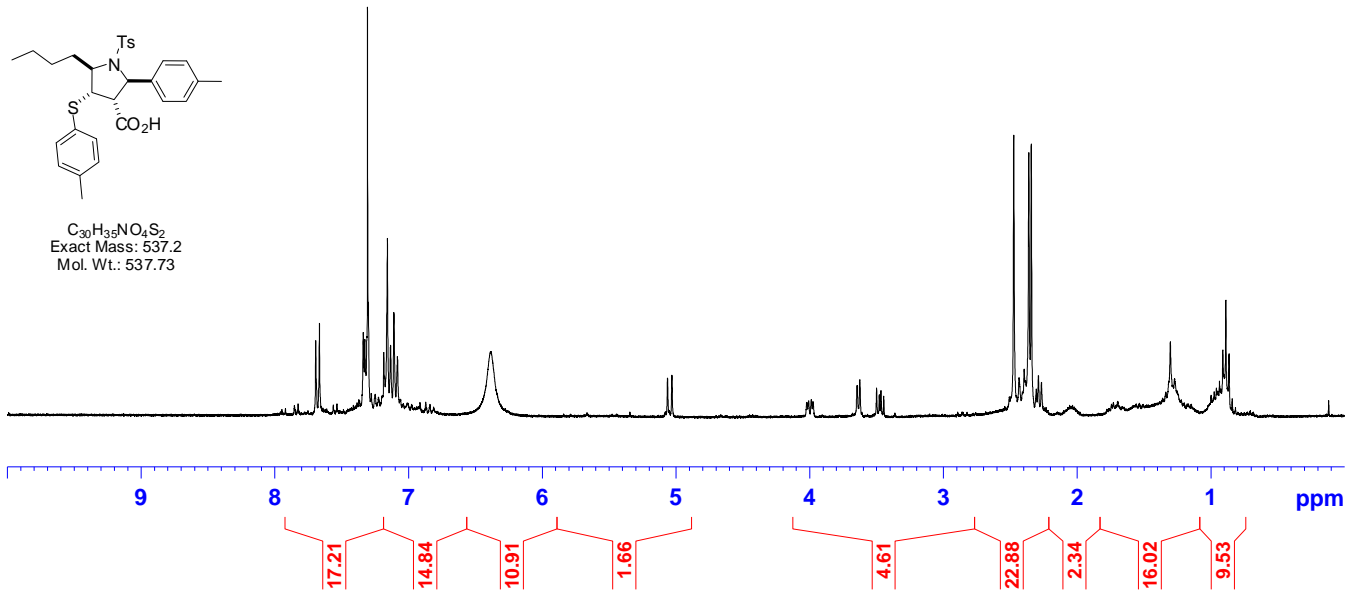
C₂₉H₃₃NO₄S₂
 Exact Mass: 523.19
 Mol. Wt.: 523.71



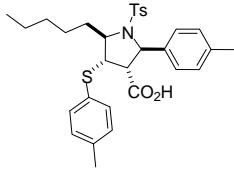
5-Butyl-2-(p-tolyl)-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A08C02E02)



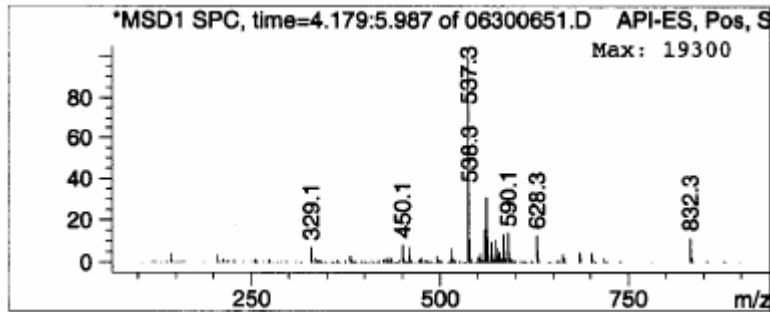
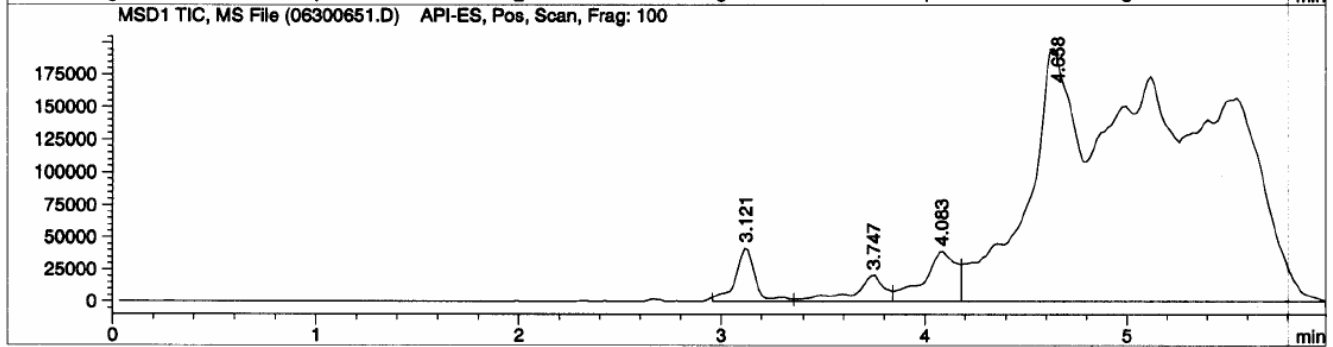
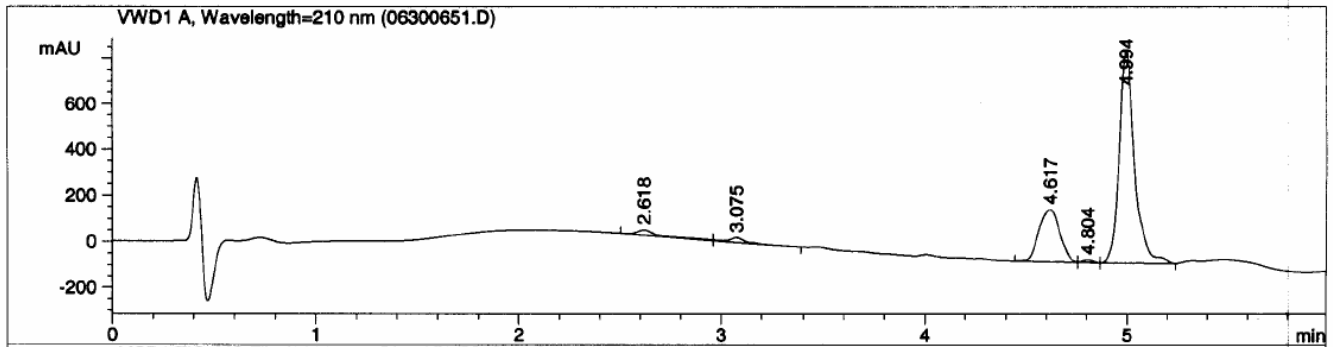
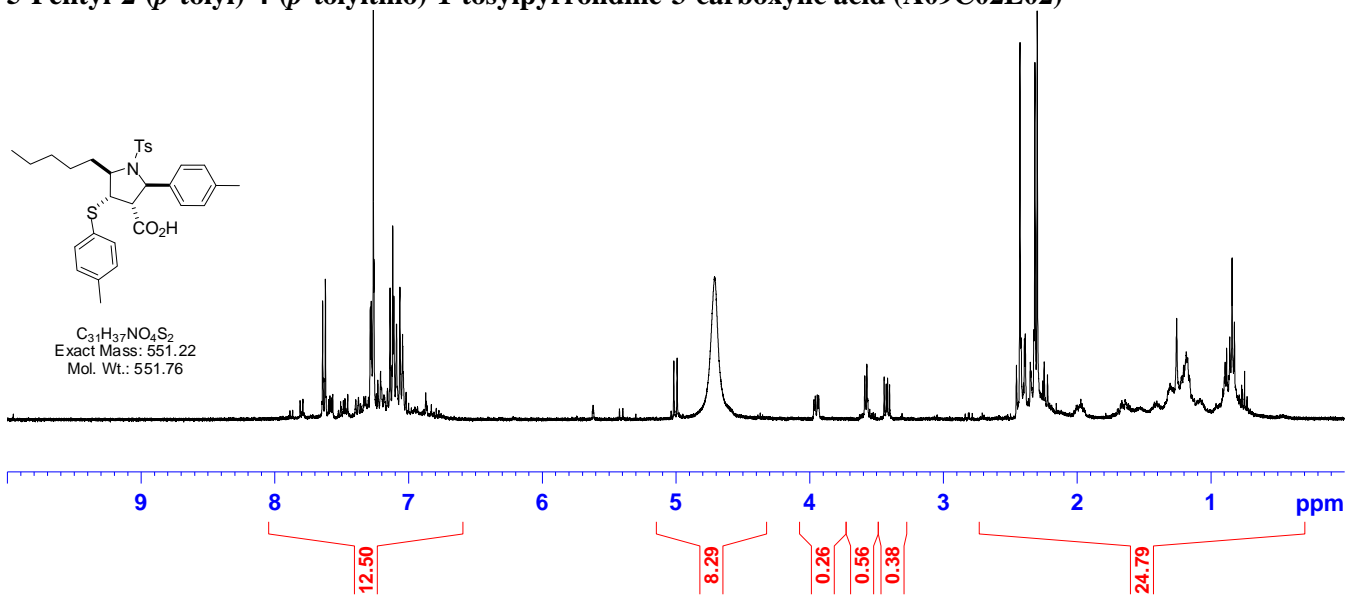
C₃₀H₃₅NO₄S₂
Exact Mass: 537.2
Mol. Wt.: 537.73



5-Pentyl-2-(*p*-tolyl)-4-(*p*-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A09C02E02)

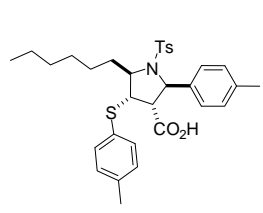


C₃₁H₃₇NO₄S₂
Exact Mass: 551.22
Mol. Wt.: 551.76

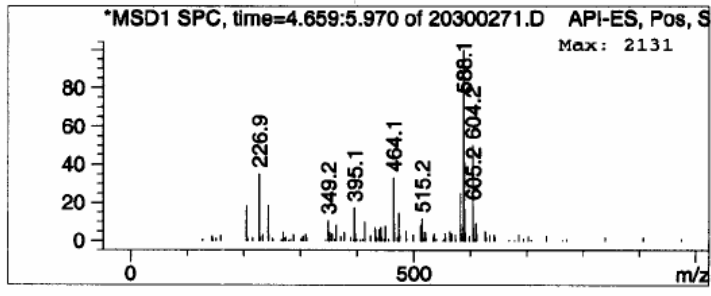
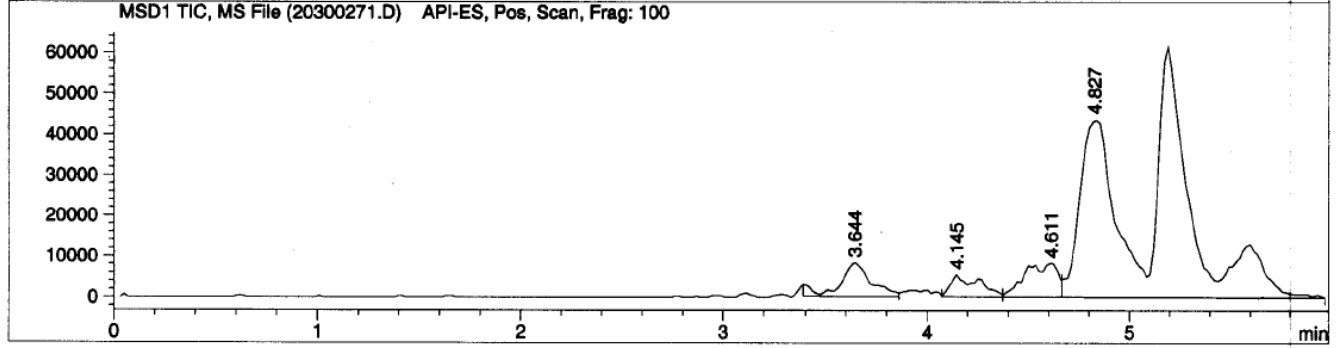
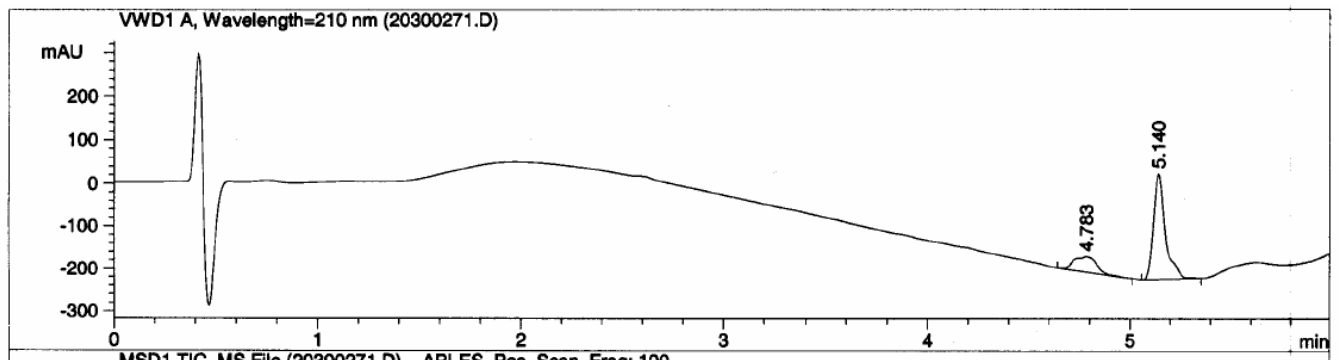
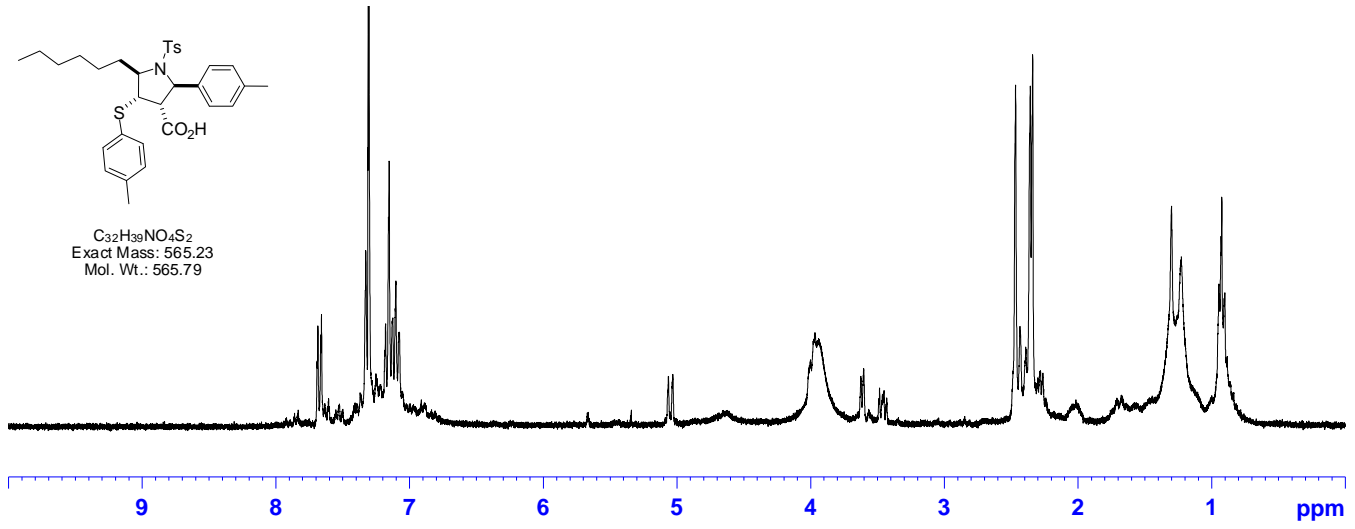


Component 5: Peak at Scan 282.9. Top ions are 574

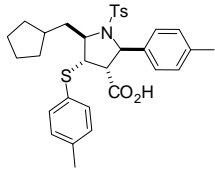
5-Hexyl-2-(p-tolyl)-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A10C02E02)



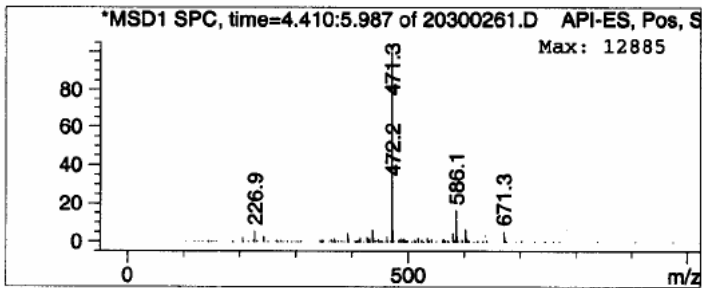
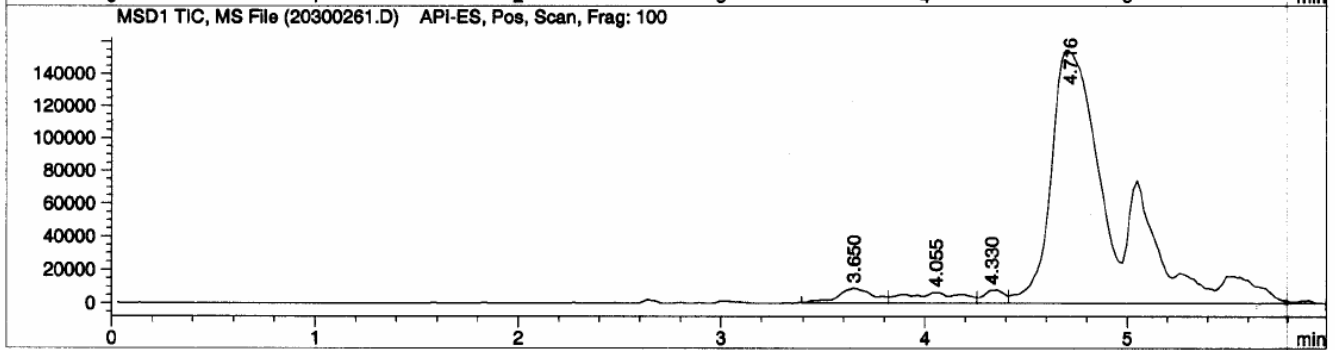
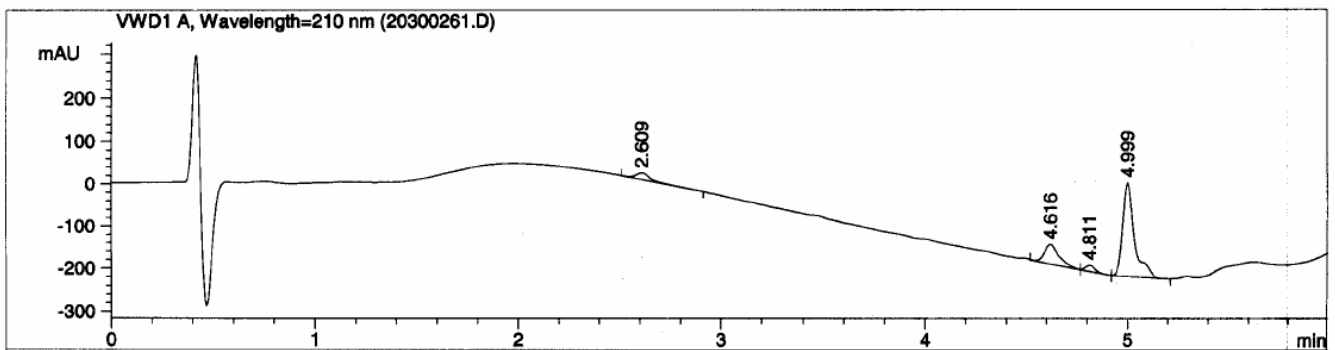
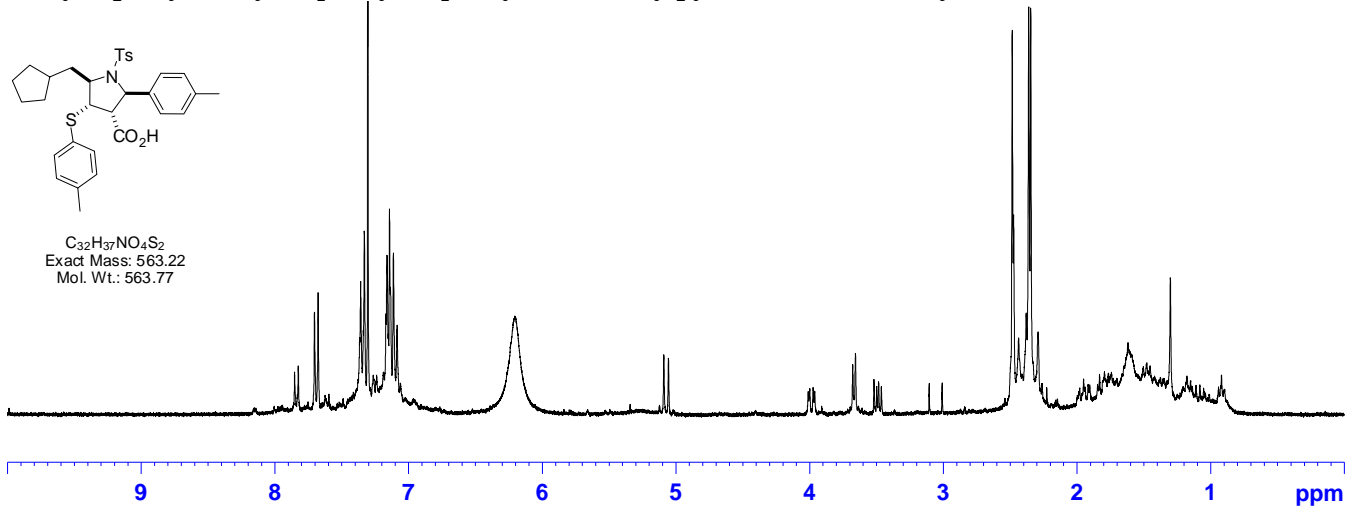
C₃₂H₃₉NO₄S₂
 Exact Mass: 565.23
 Mol. Wt.: 565.79



5-(Cyclopentylmethyl)-2-*p*-tolyl-4-(*p*-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A11C02E02)

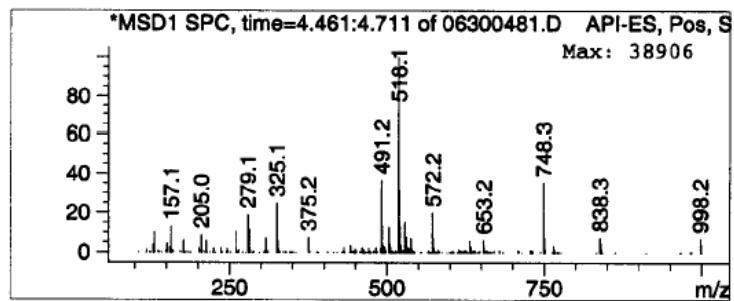
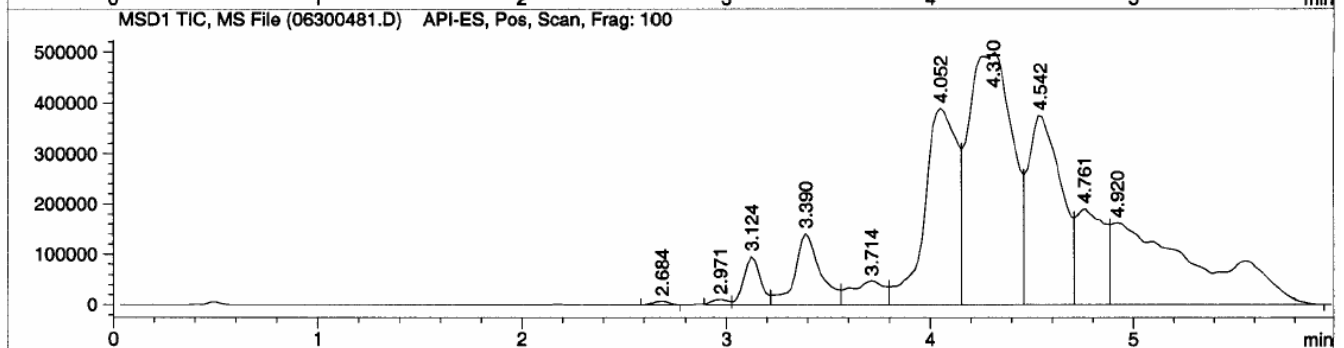
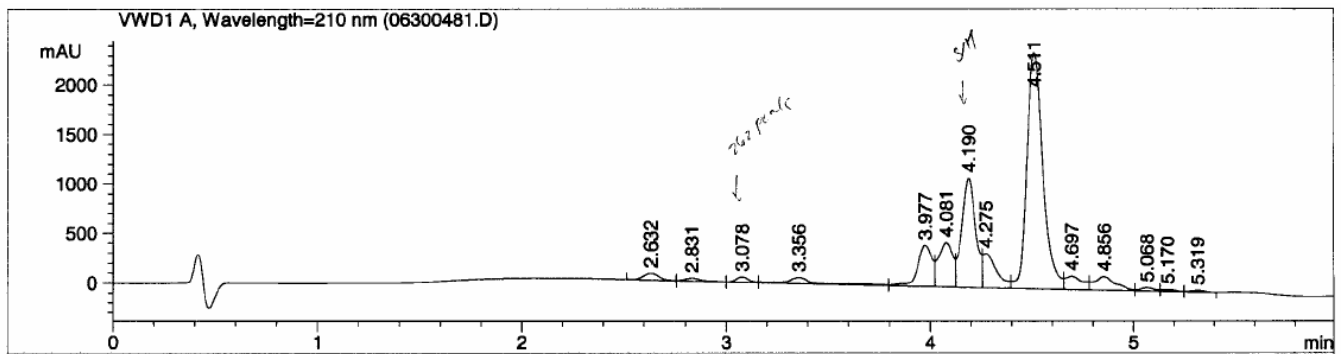
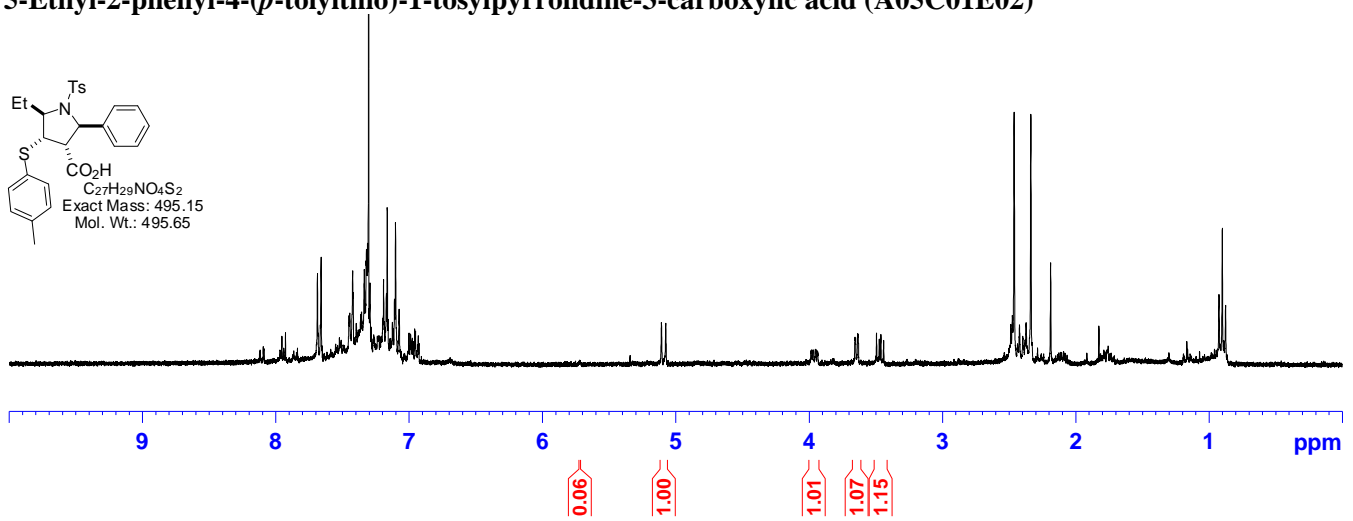
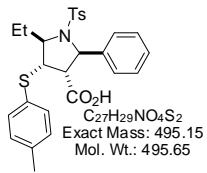


C₃₂H₃₇NO₄S₂
Exact Mass: 563.22
Mol. Wt.: 563.77

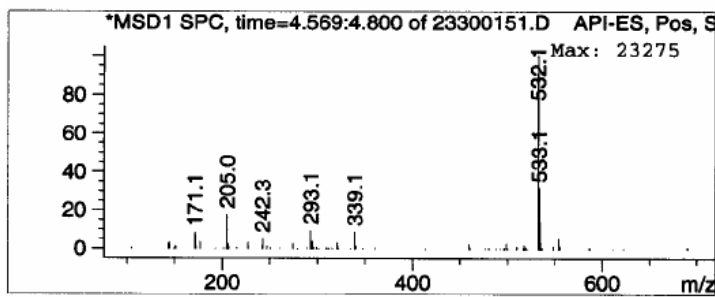
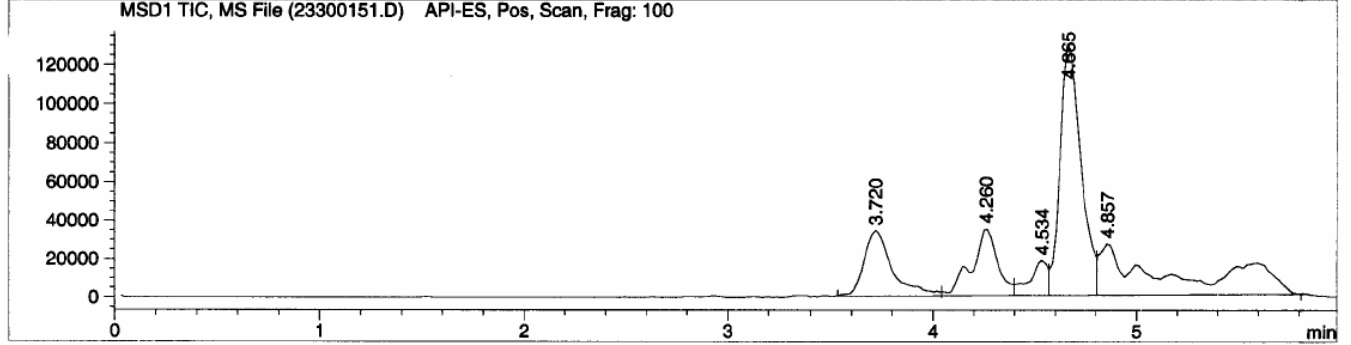
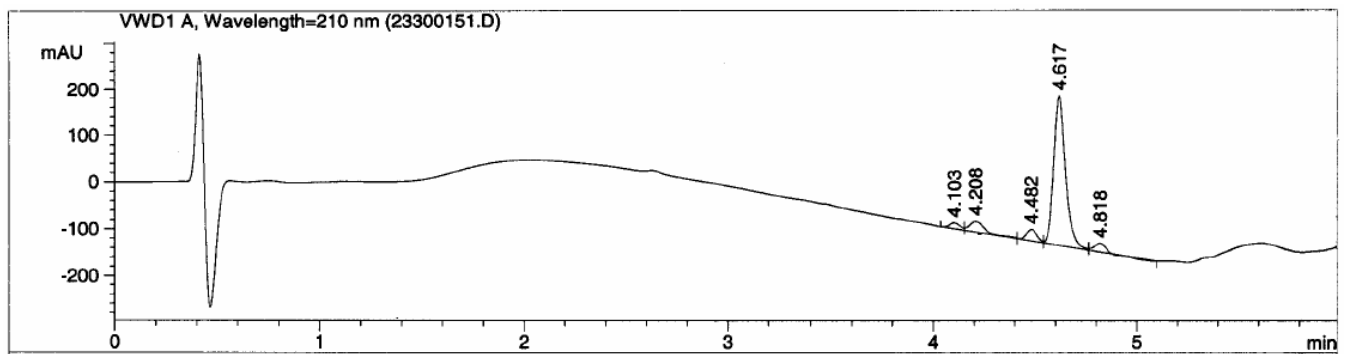
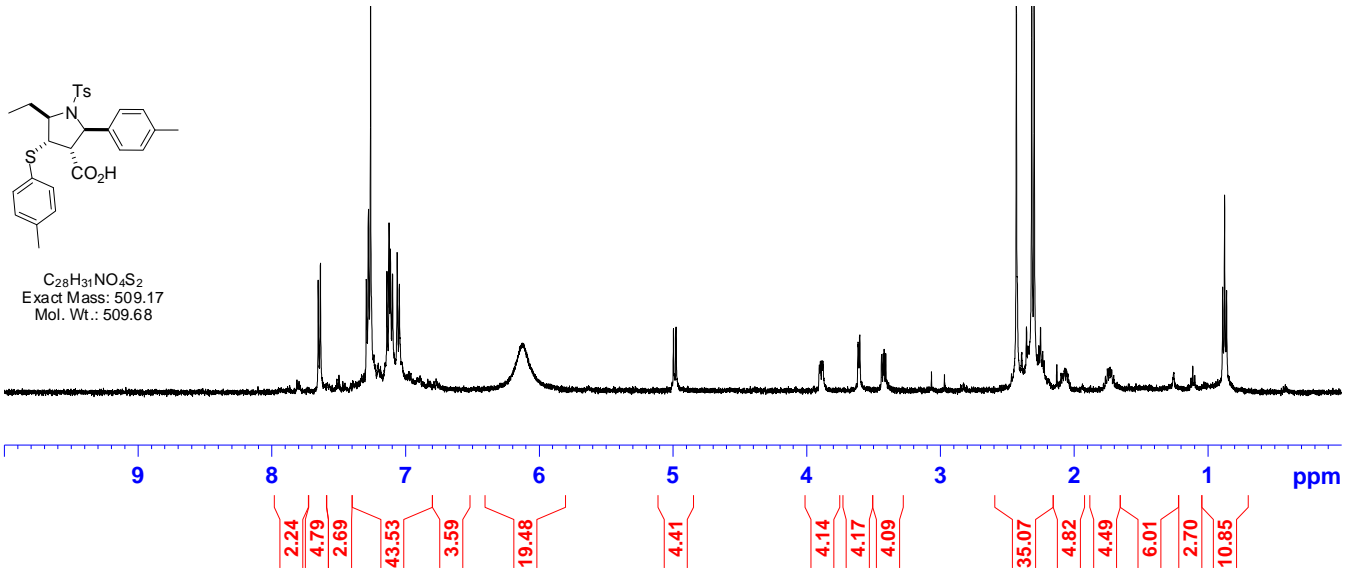


Spectral Data for Table 10

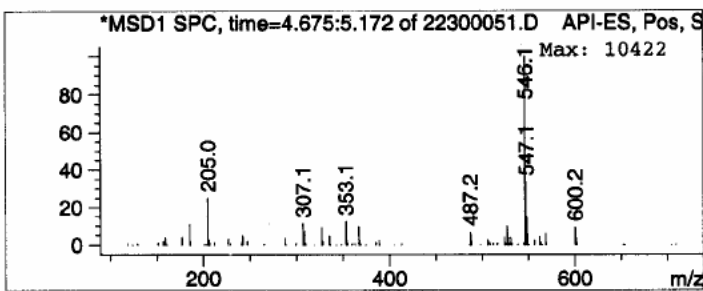
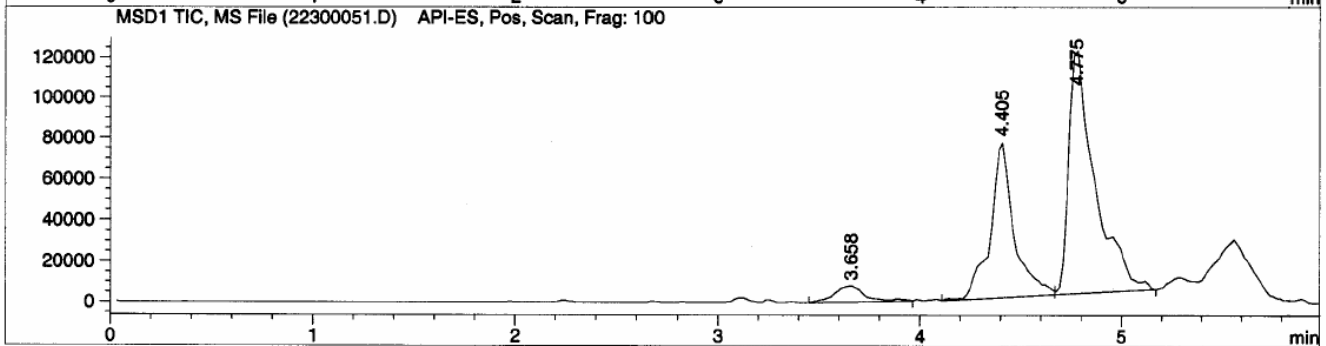
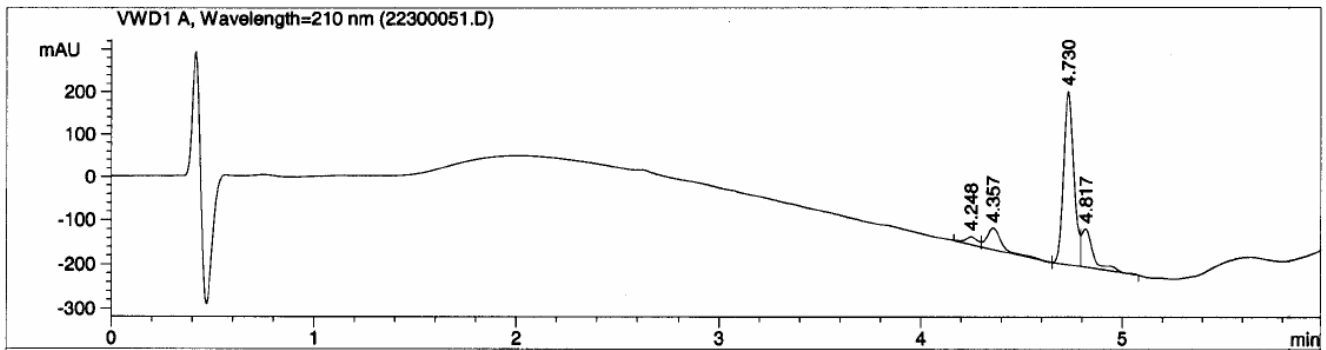
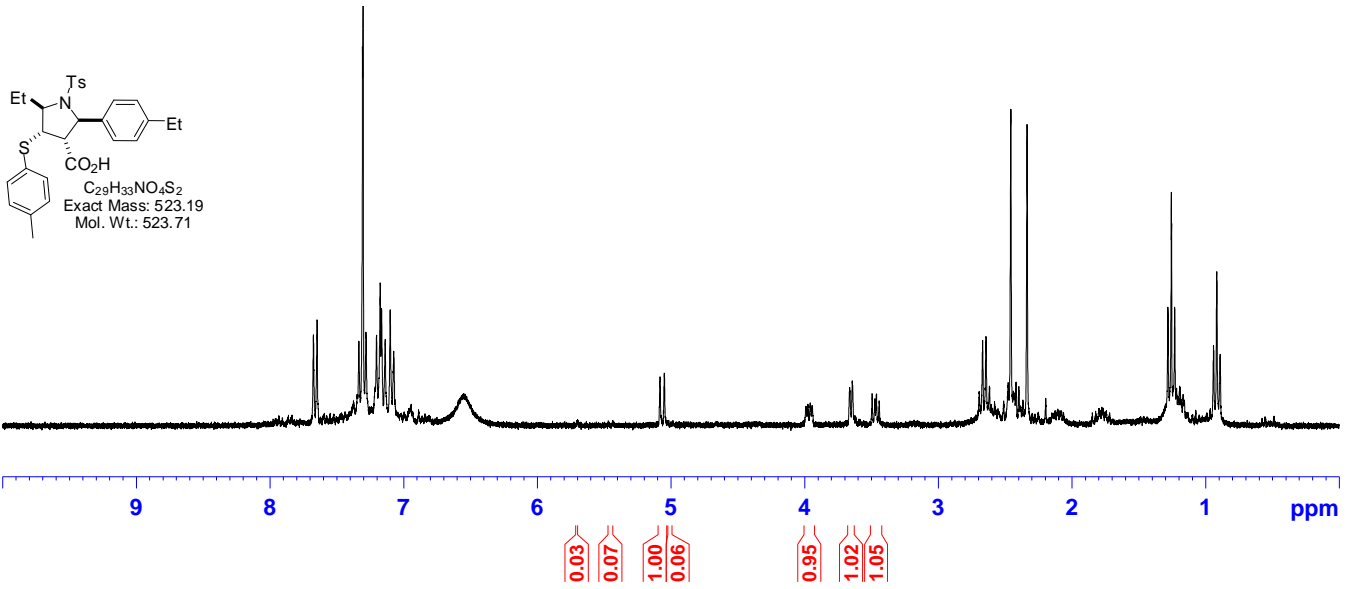
5-Ethyl-2-phenyl-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C01E02)



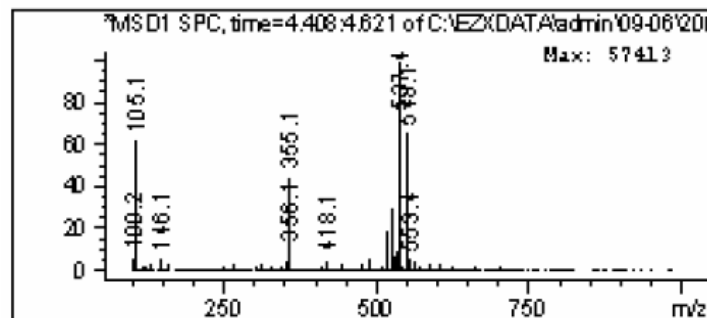
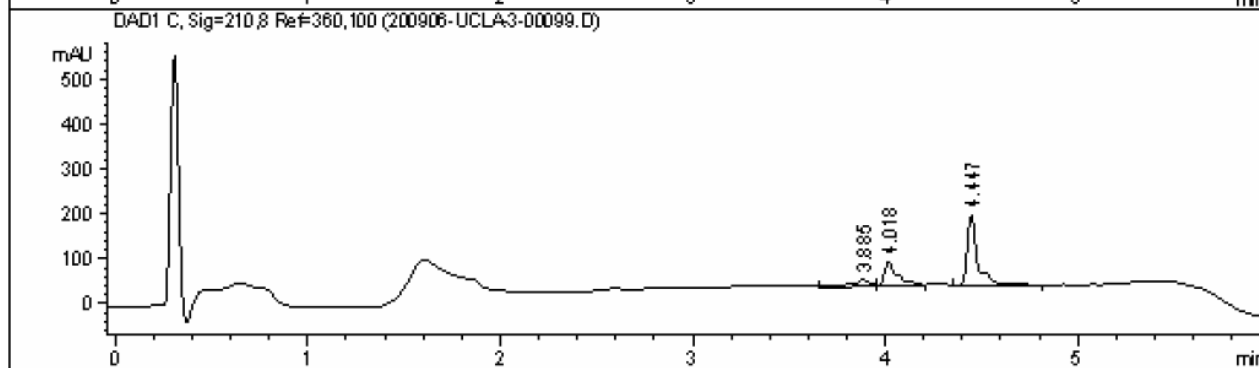
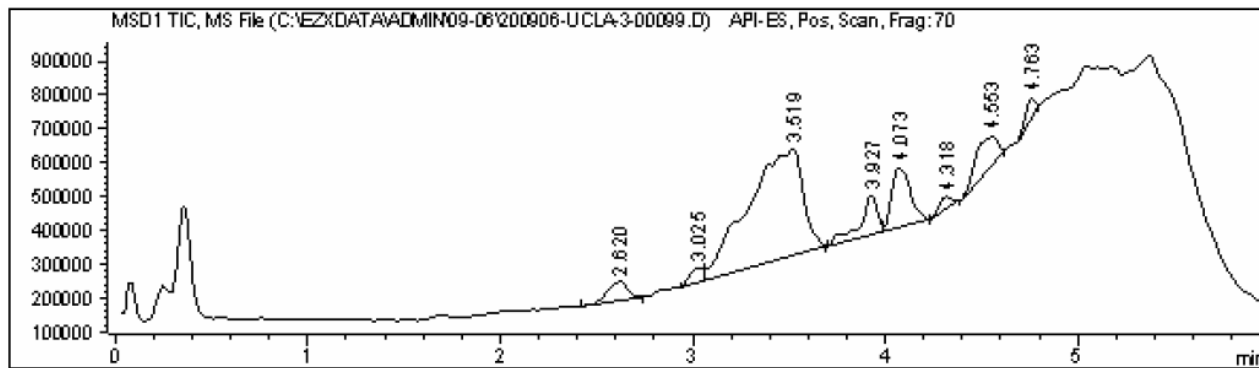
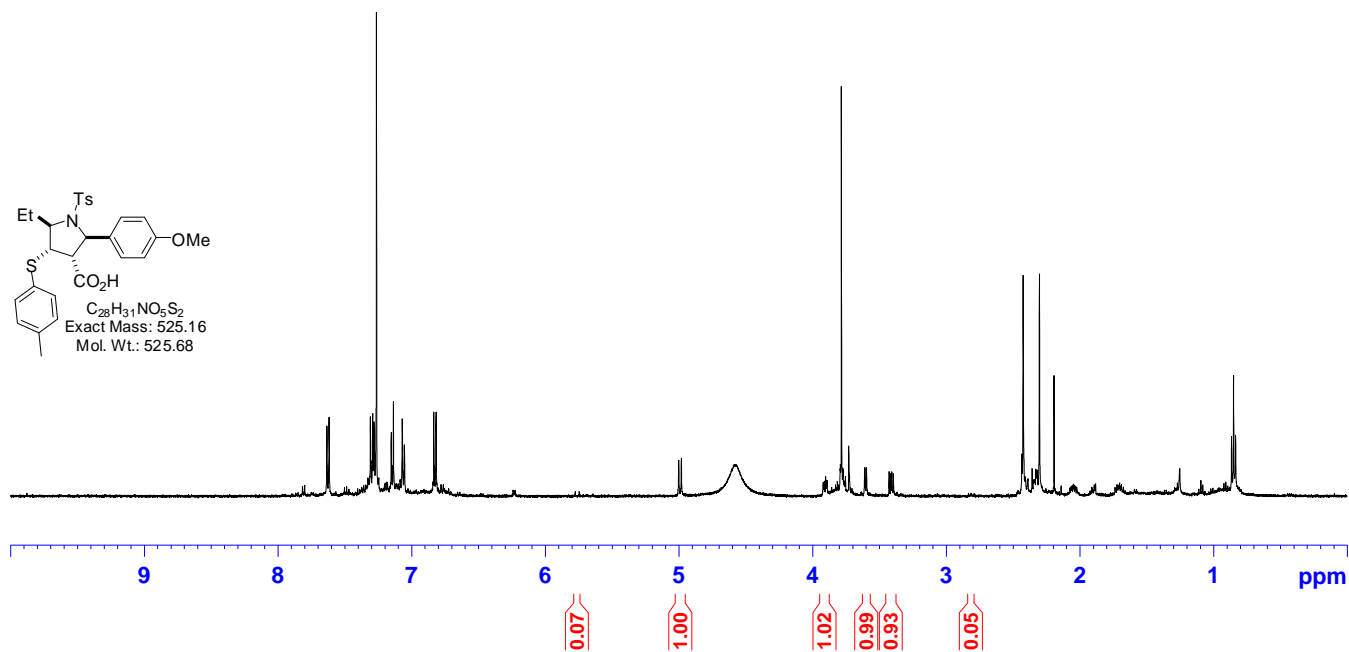
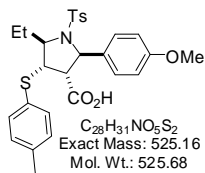
5-Ethyl-2-(p-tolyl)-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E02)



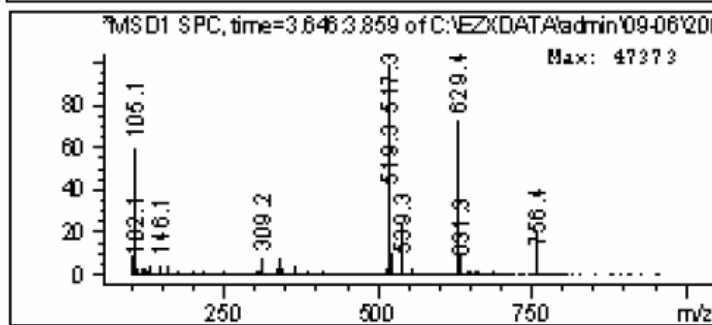
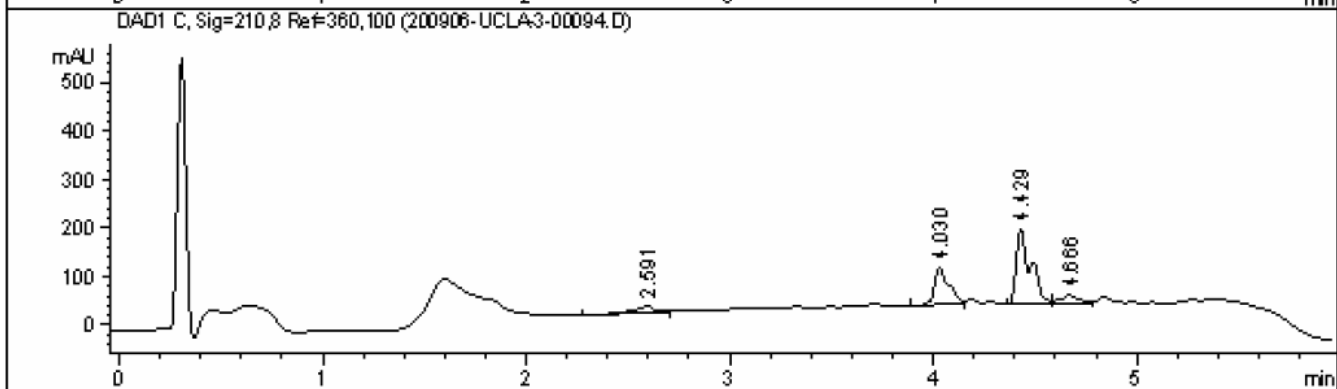
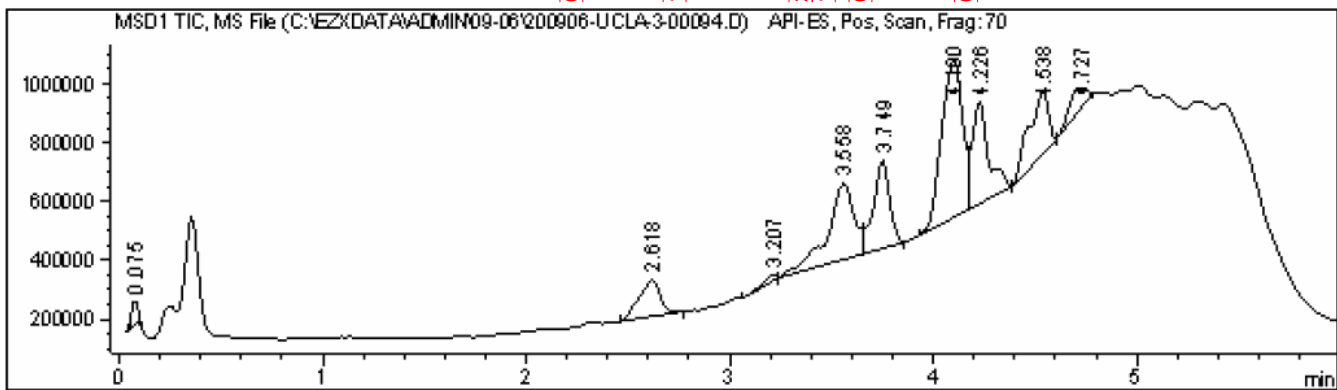
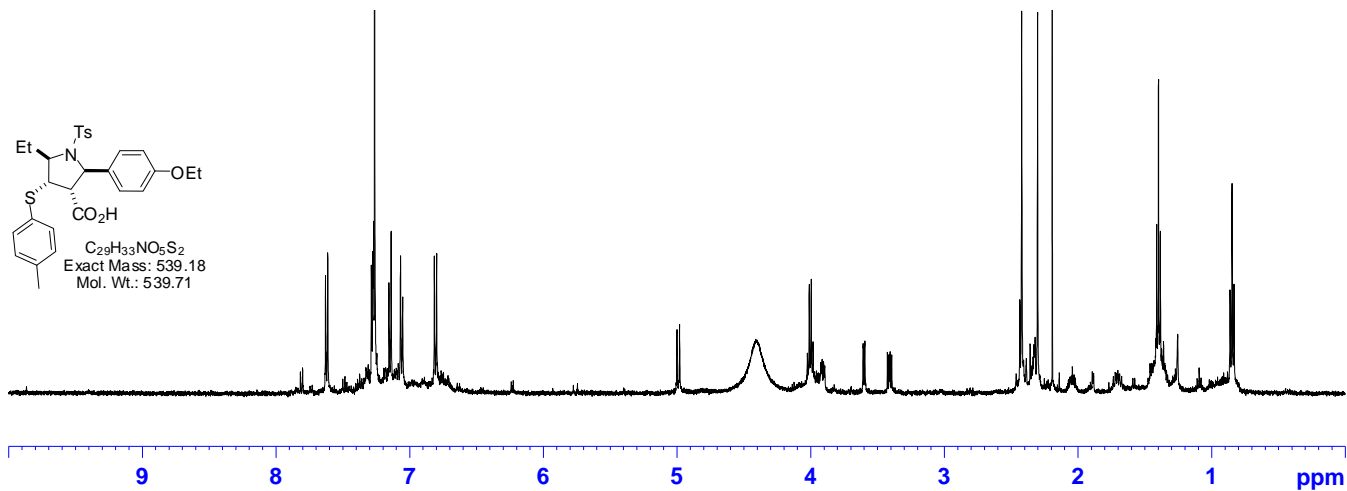
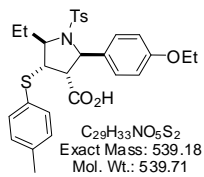
5-Ethyl-2-(4-ethylphenyl)-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C03E02)



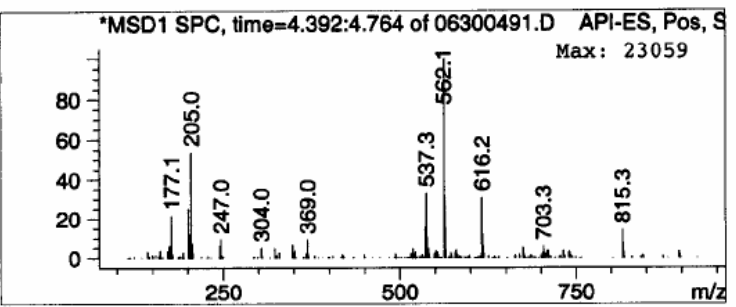
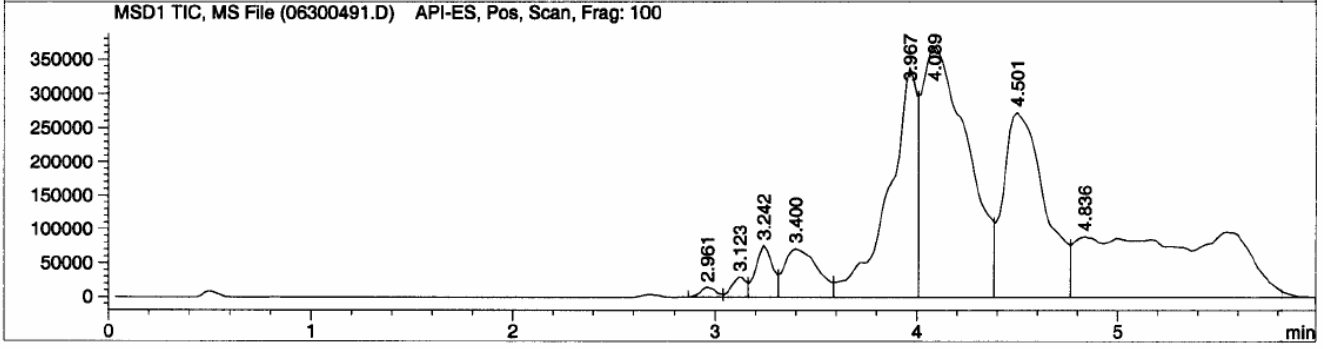
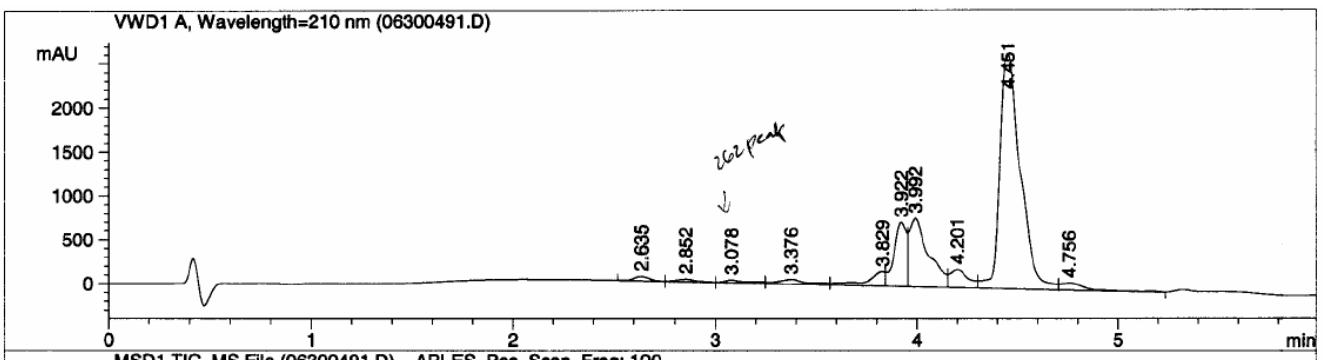
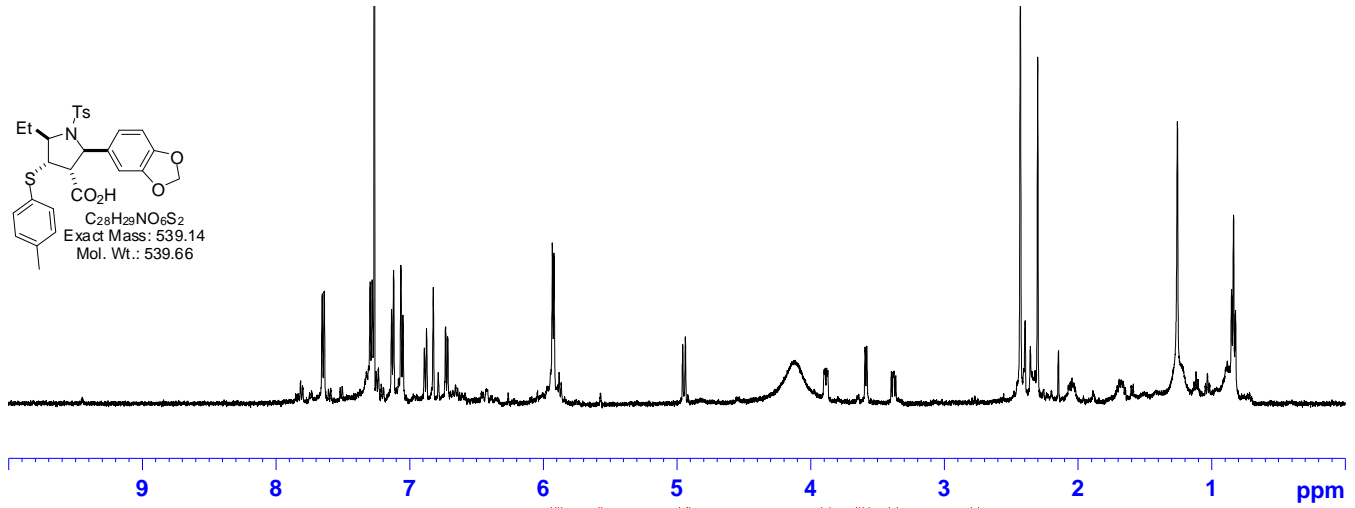
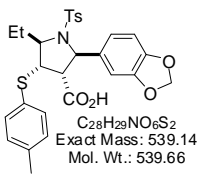
5-Ethyl-2-(4-methoxyphenyl)-4-(*p*-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C04E02)



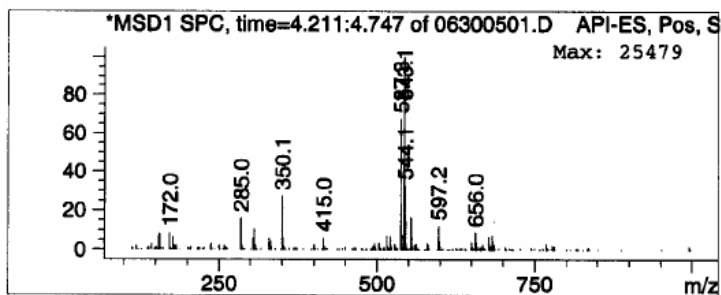
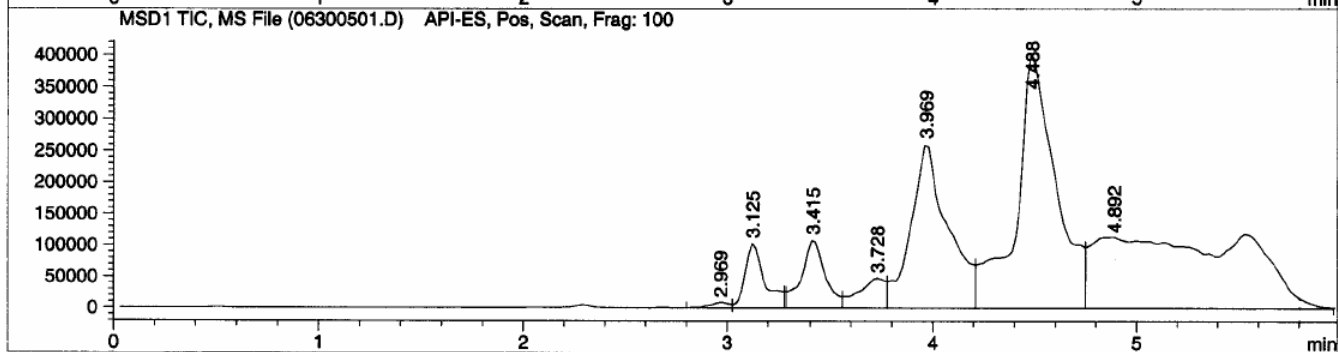
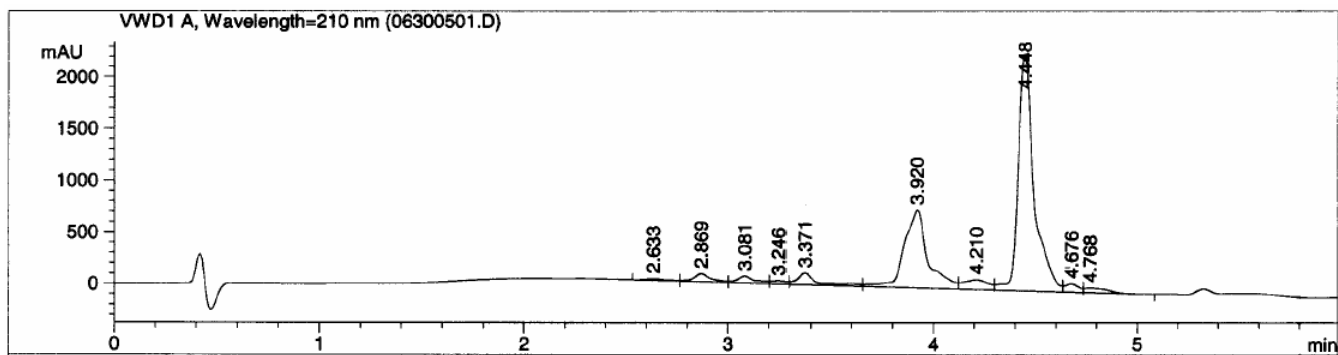
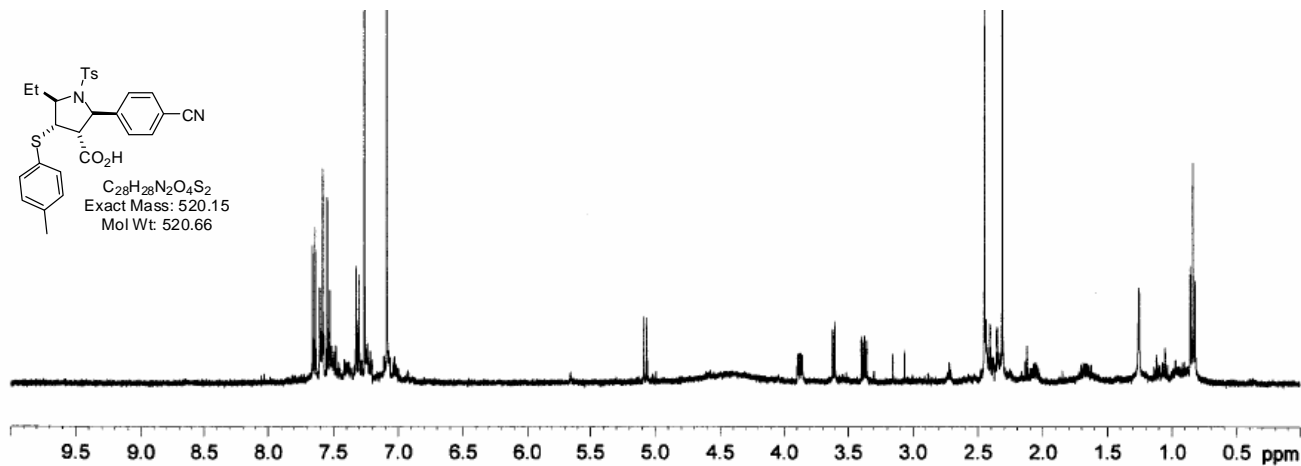
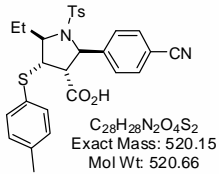
2-(4-Ethoxyphenyl)-5-ethyl-4-(*p*-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C05E02)



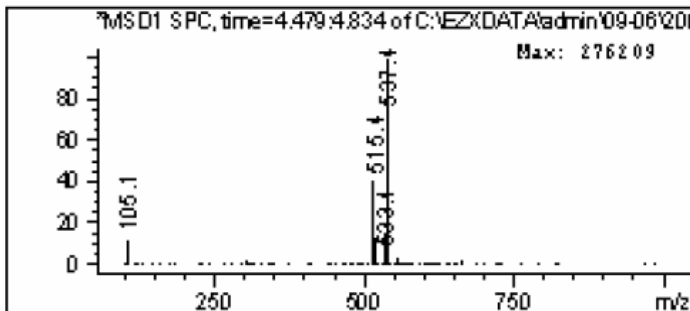
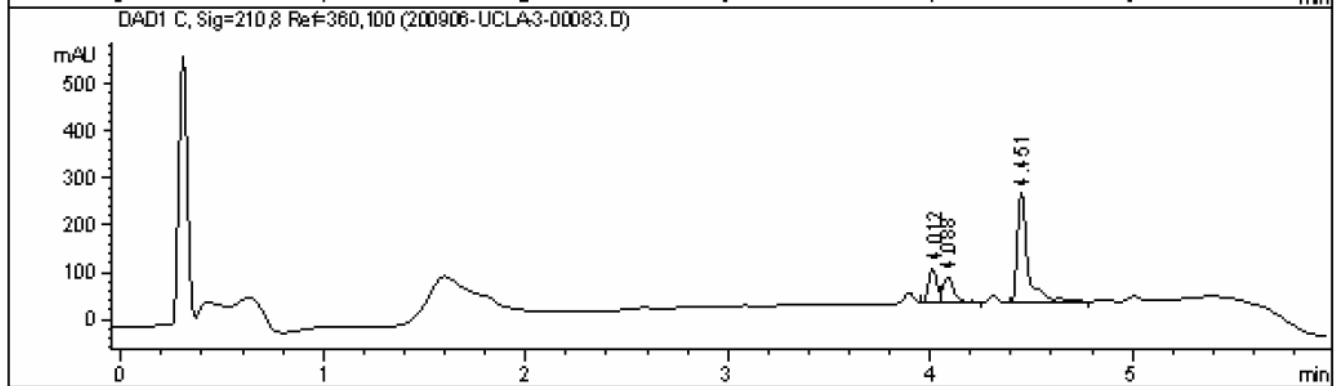
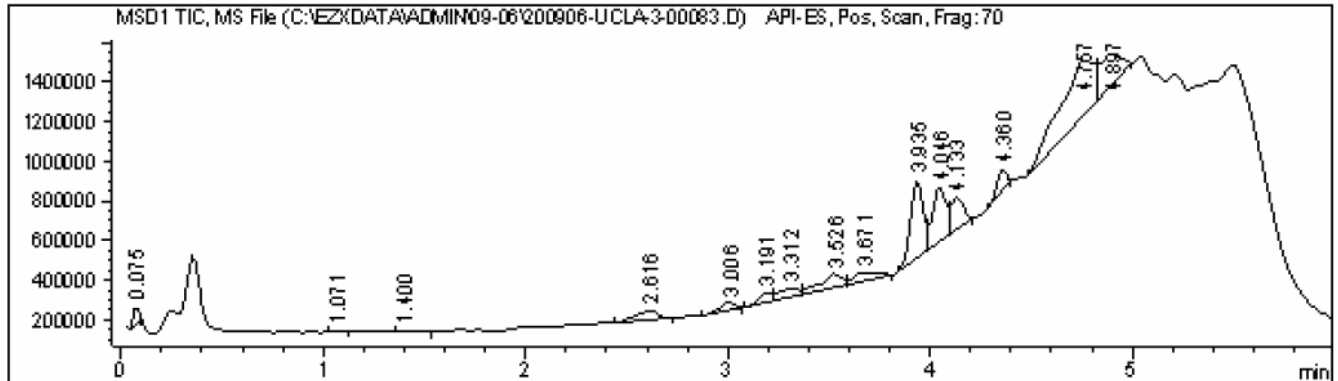
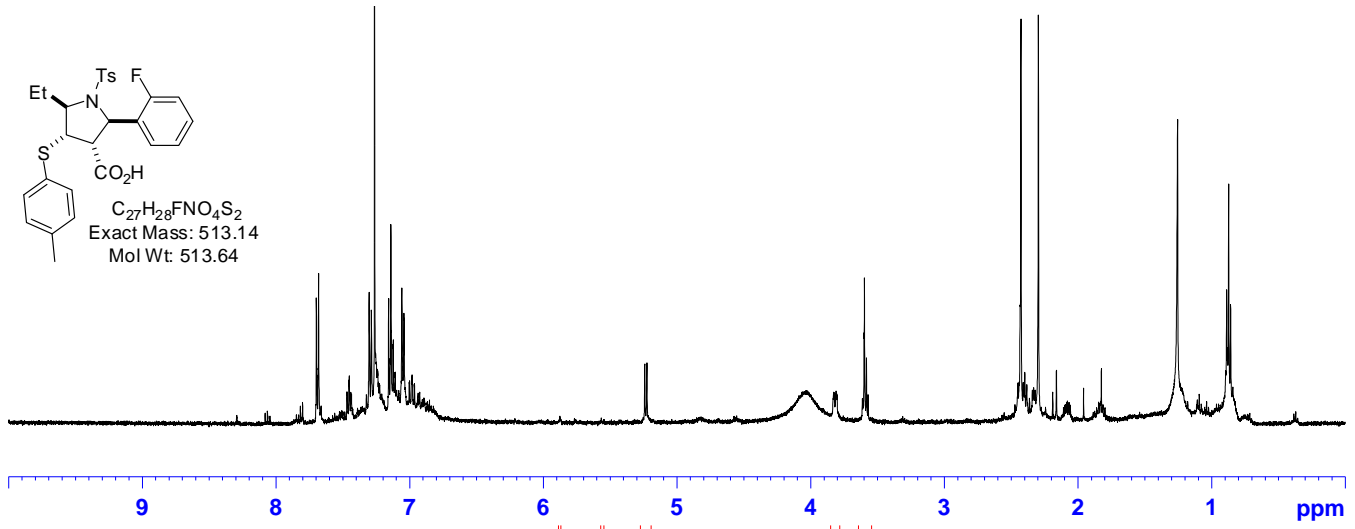
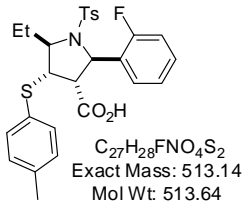
2-(Benzo[d][1,3]dioxol-5-yl)-5-ethyl-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C06C02)



2-(4-Cyanophenyl)-5-ethyl-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C09E02)

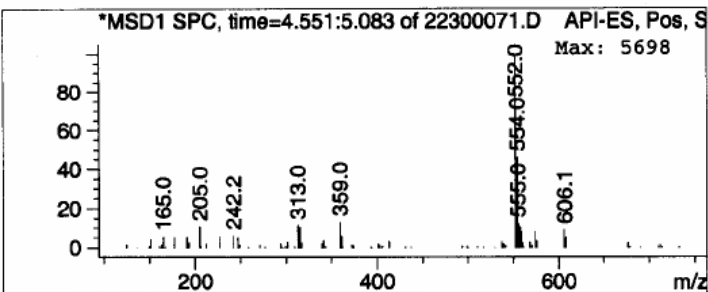
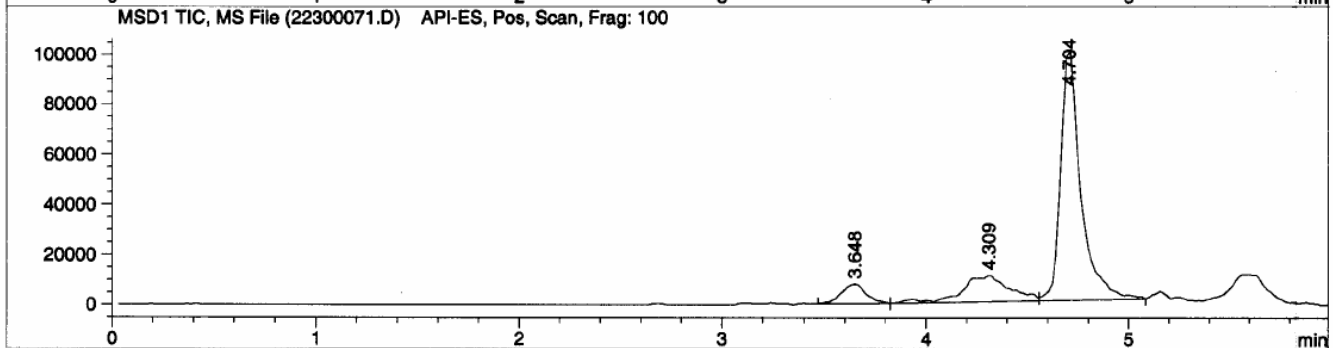
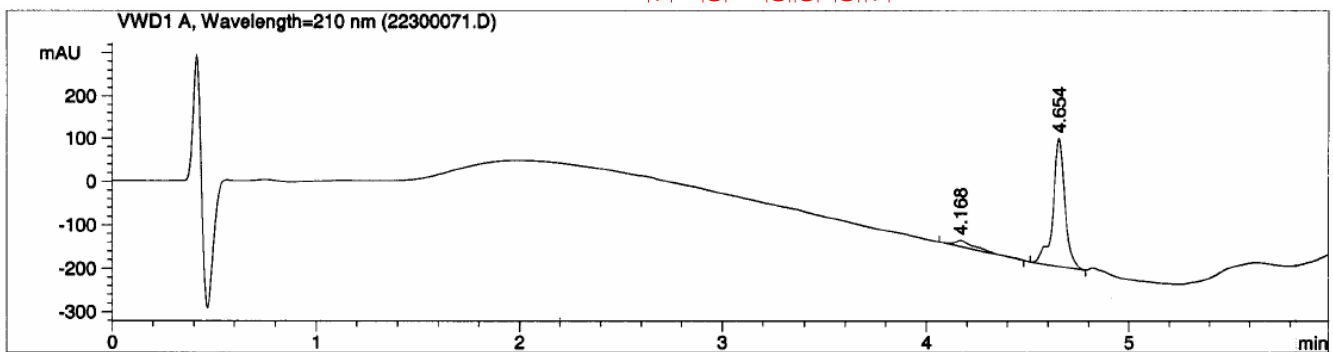
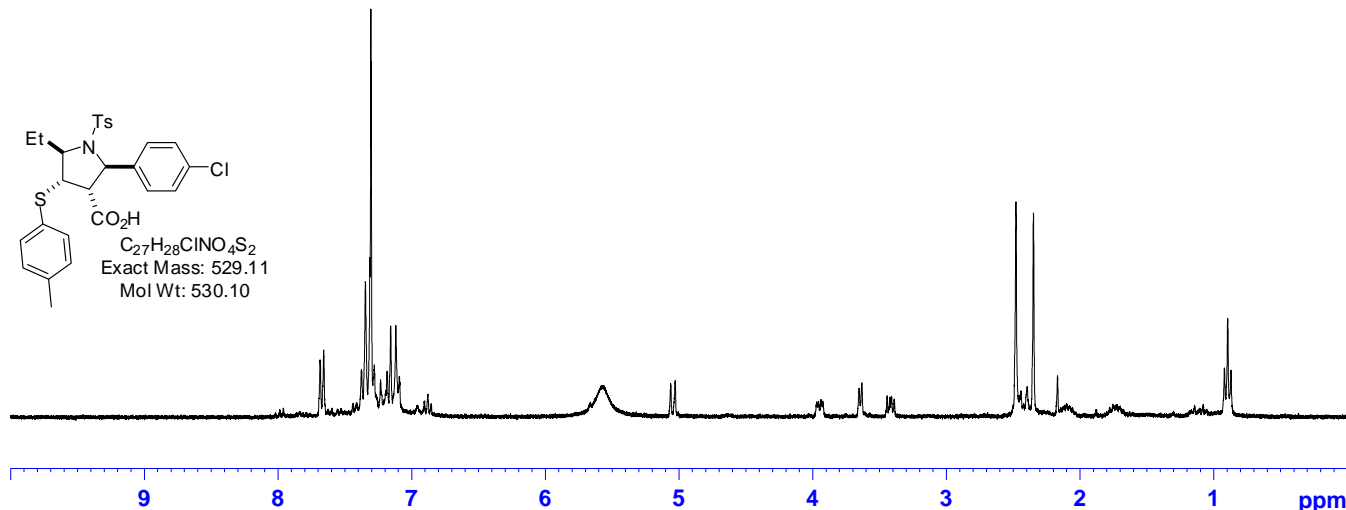
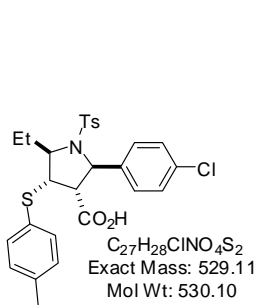


5-Ethyl-2-(2-fluorophenyl)-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C10E02)

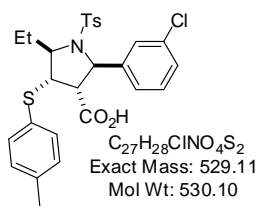
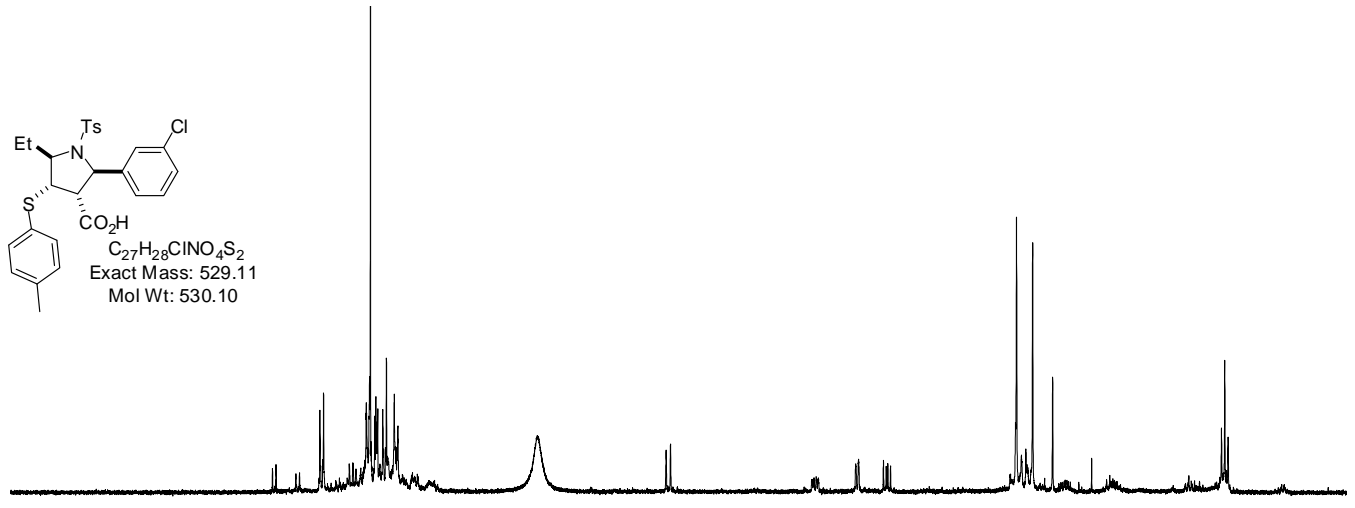


Component 1: Peak at Scan 252.8. Top ions are 514 536

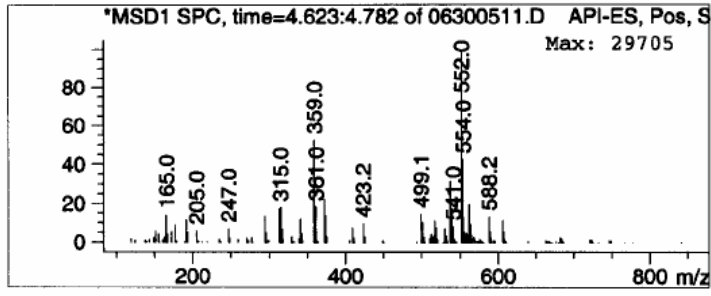
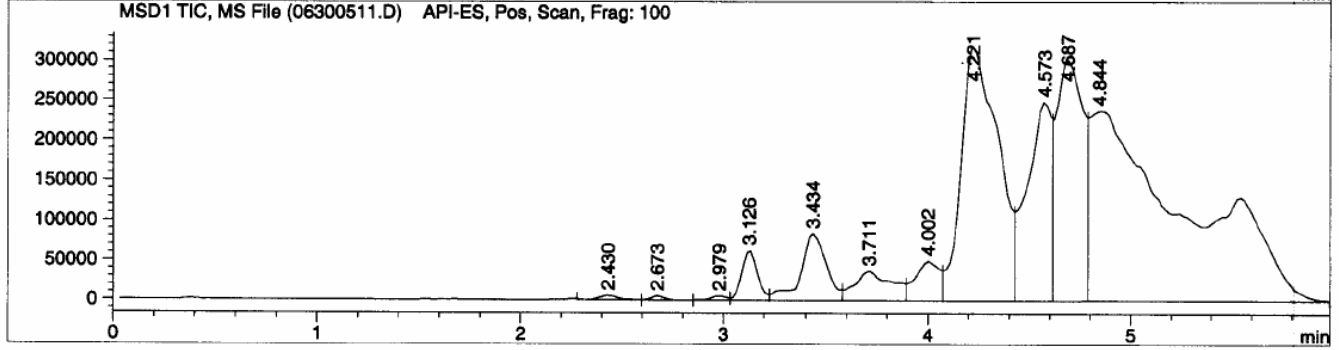
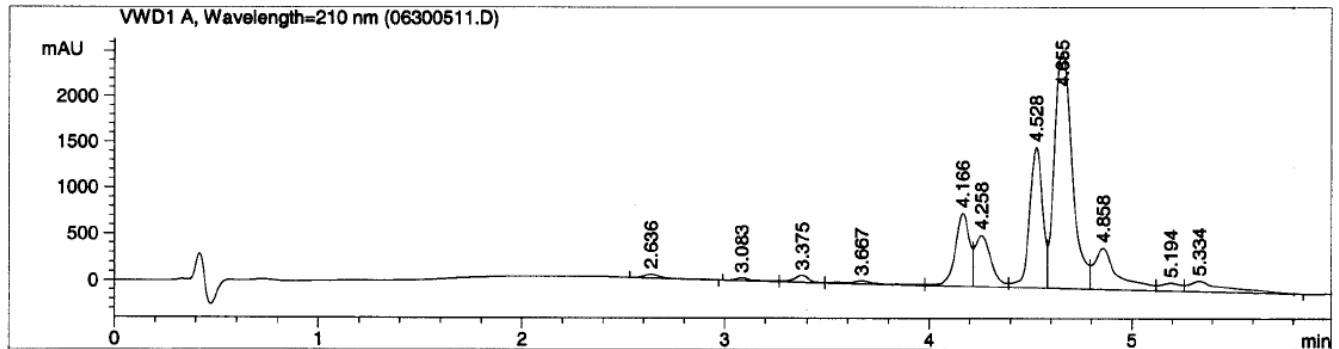
2-(4-Chlorophenyl)-5-ethyl-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C11E02)



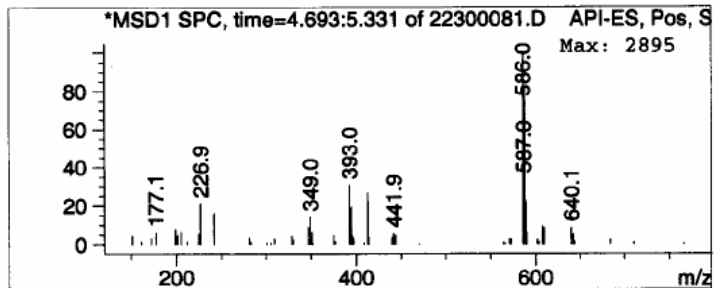
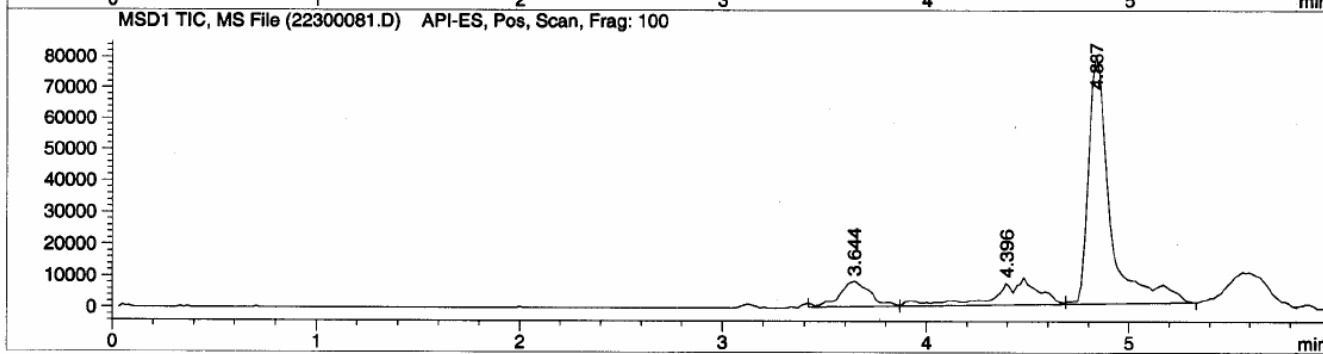
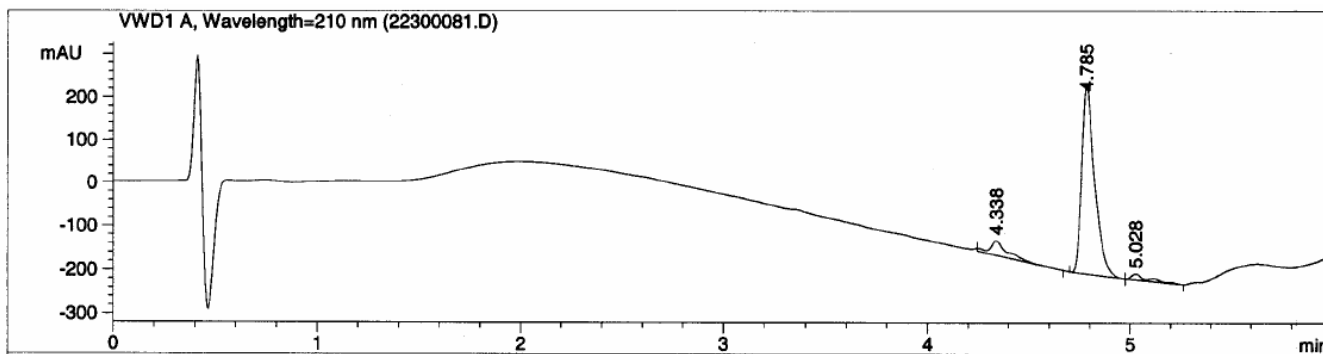
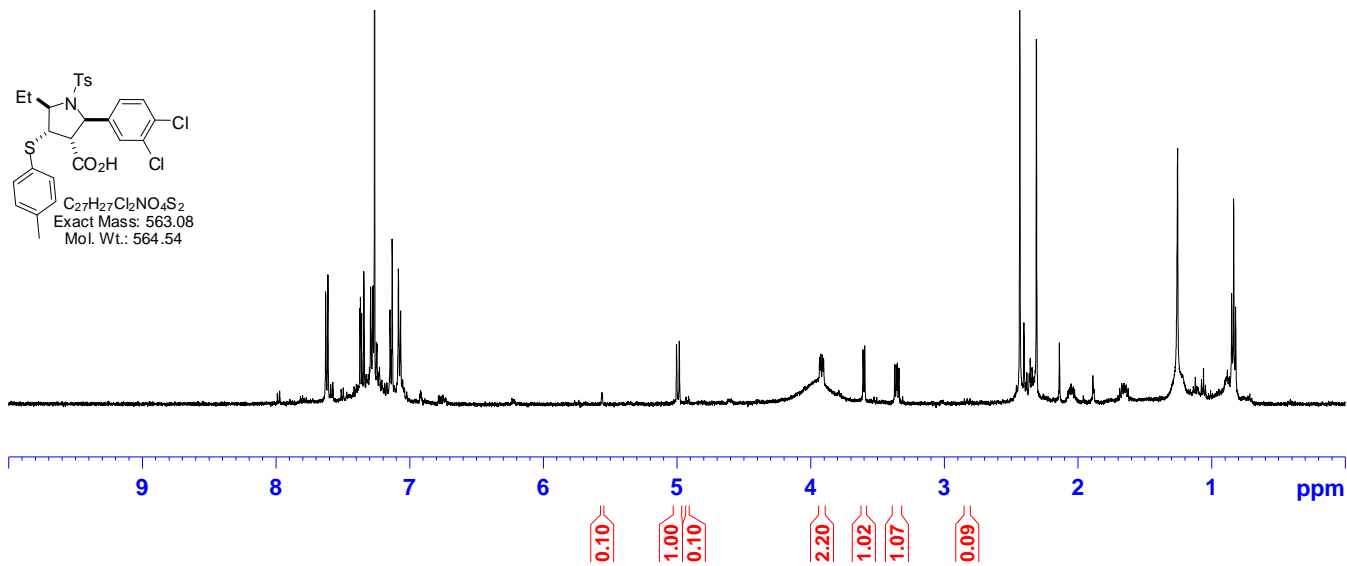
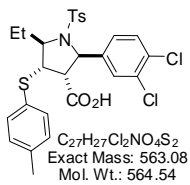
2-(3-Chlorophenyl)-5-ethyl-4-(*p*-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C12E02)



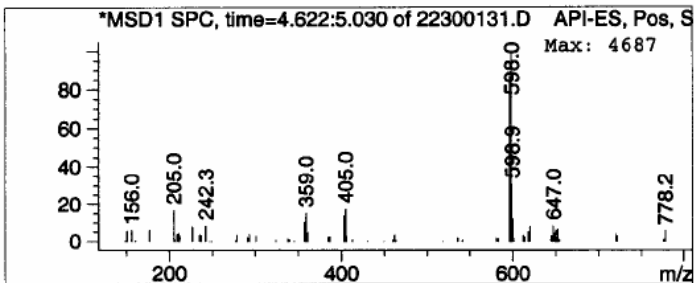
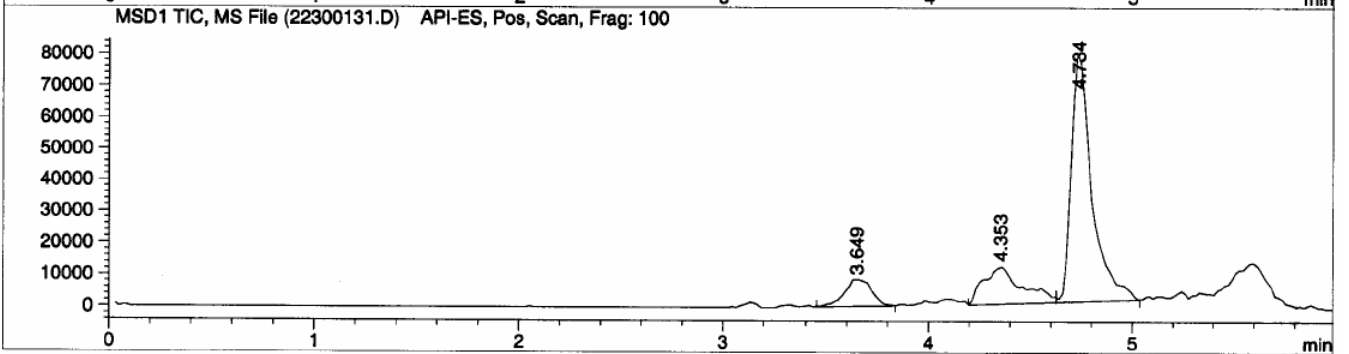
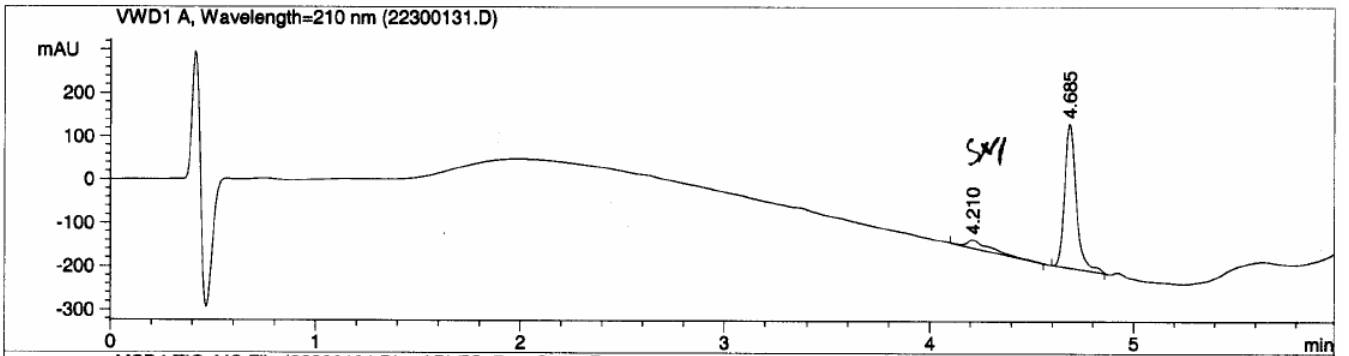
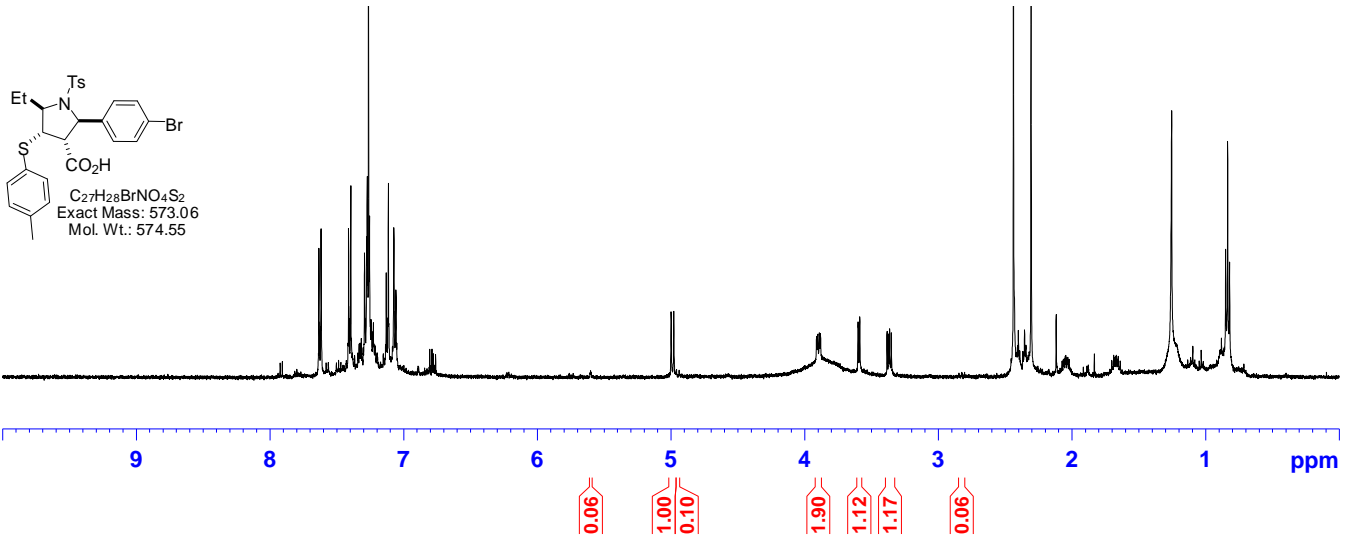
9 8 7 6 5 4 3 2 1 ppm



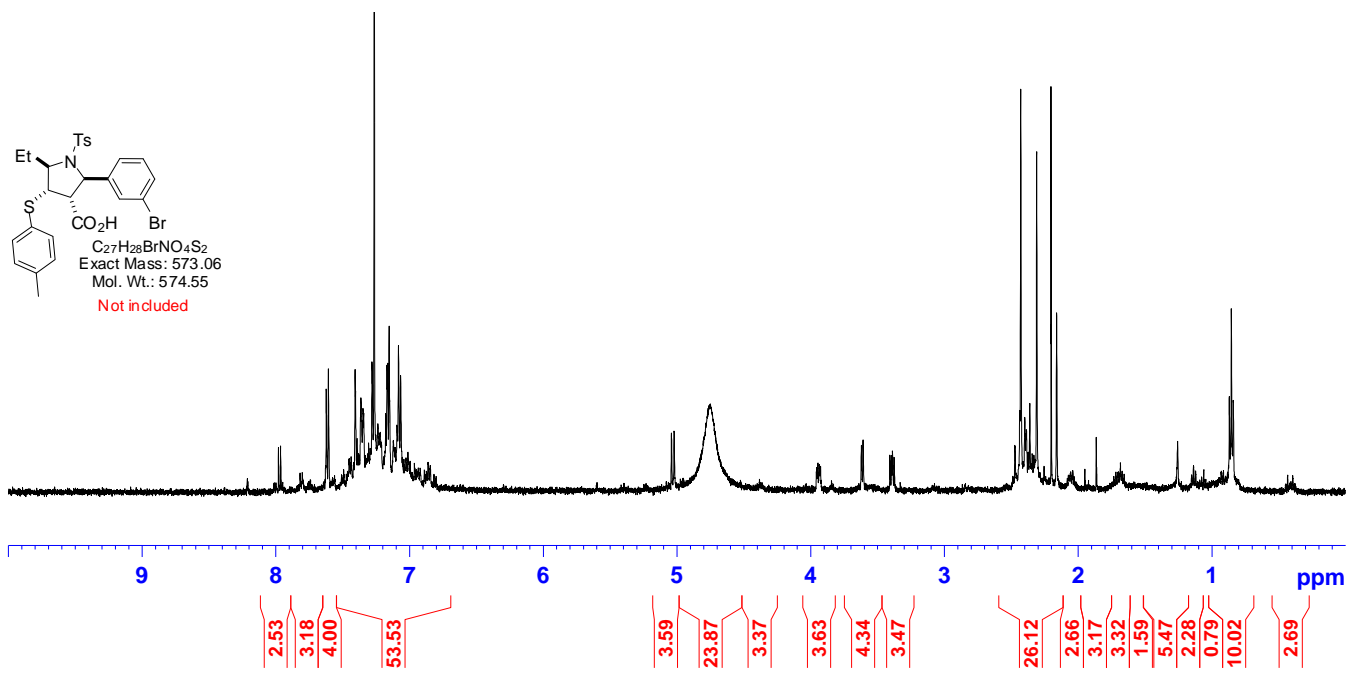
2-(3,4-Dichlorophenyl)-5-ethyl-4-(*p*-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C13E02)



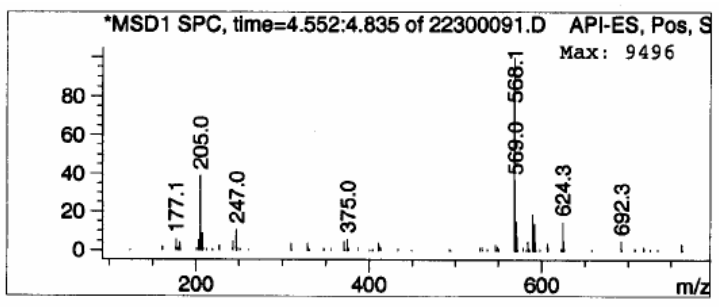
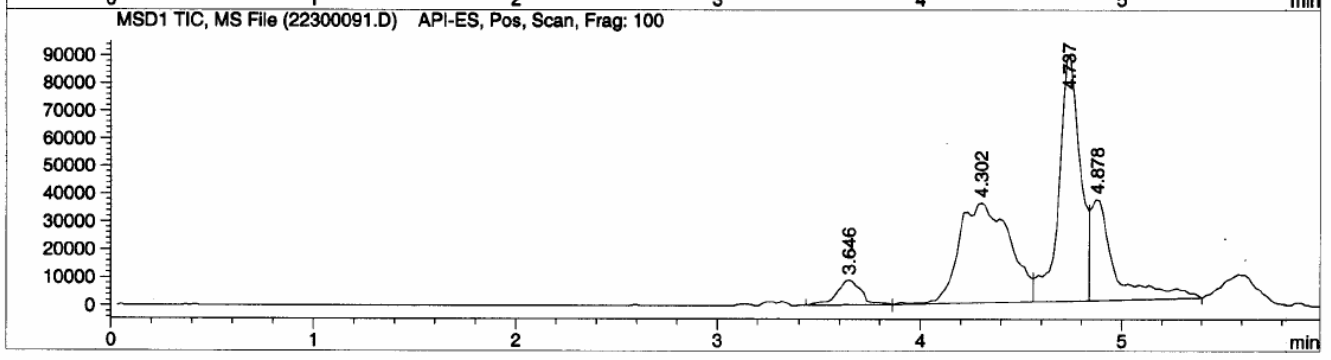
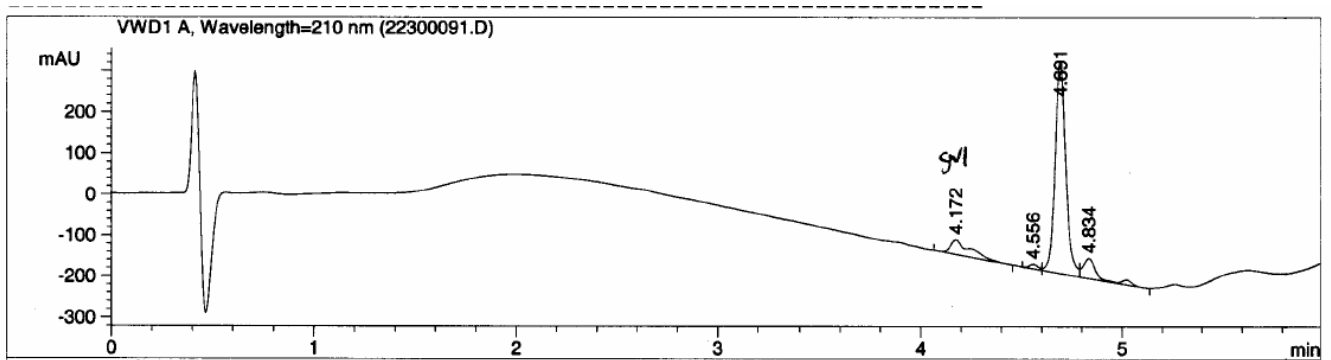
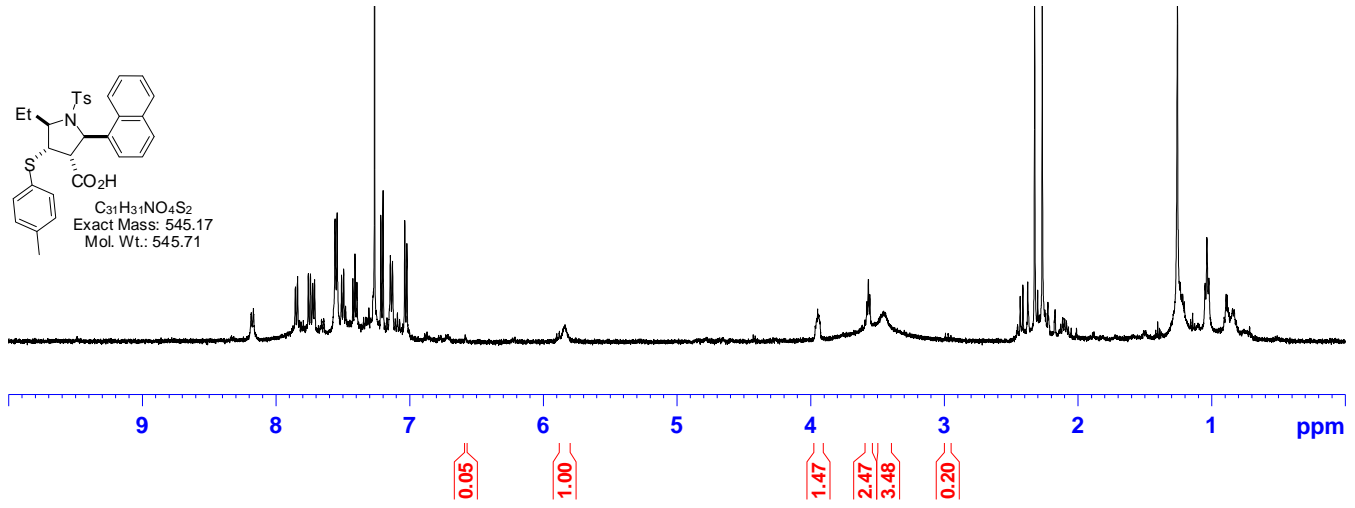
2-(4-Bromophenyl)-5-ethyl-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C14E02)



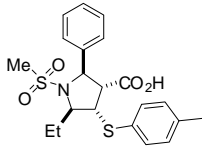
2-(3-Bromophenyl)-5-ethyl-4-(*p*-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C15E02)



5-Ethyl-2-(naphthalen-1-yl)-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C16E02)

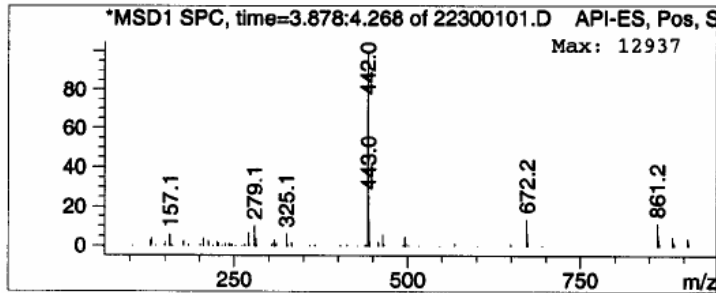
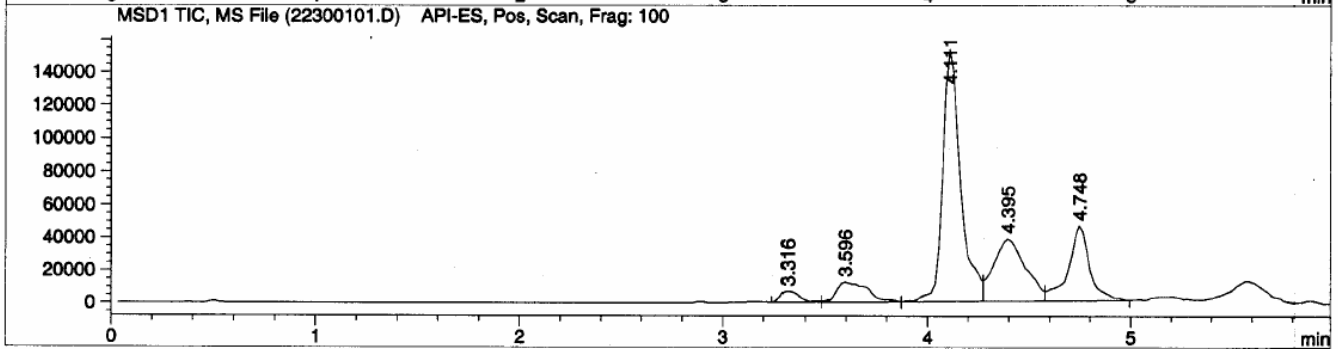
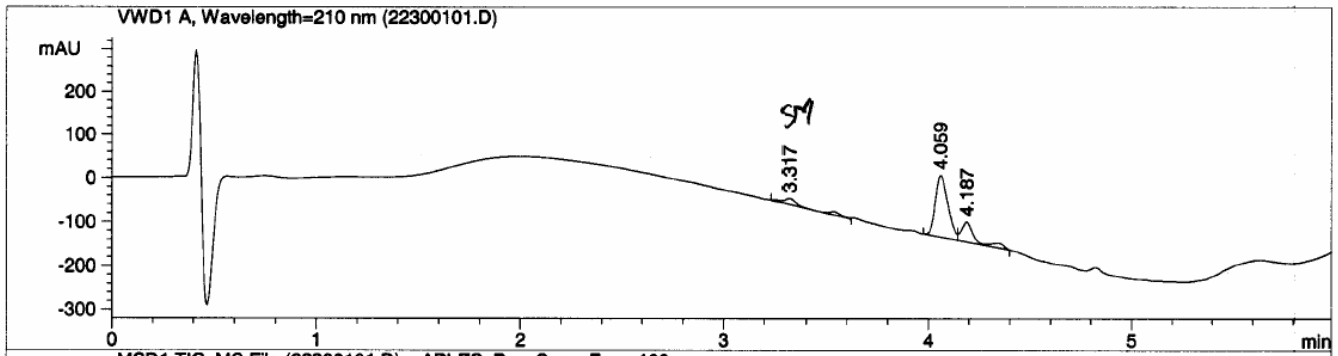
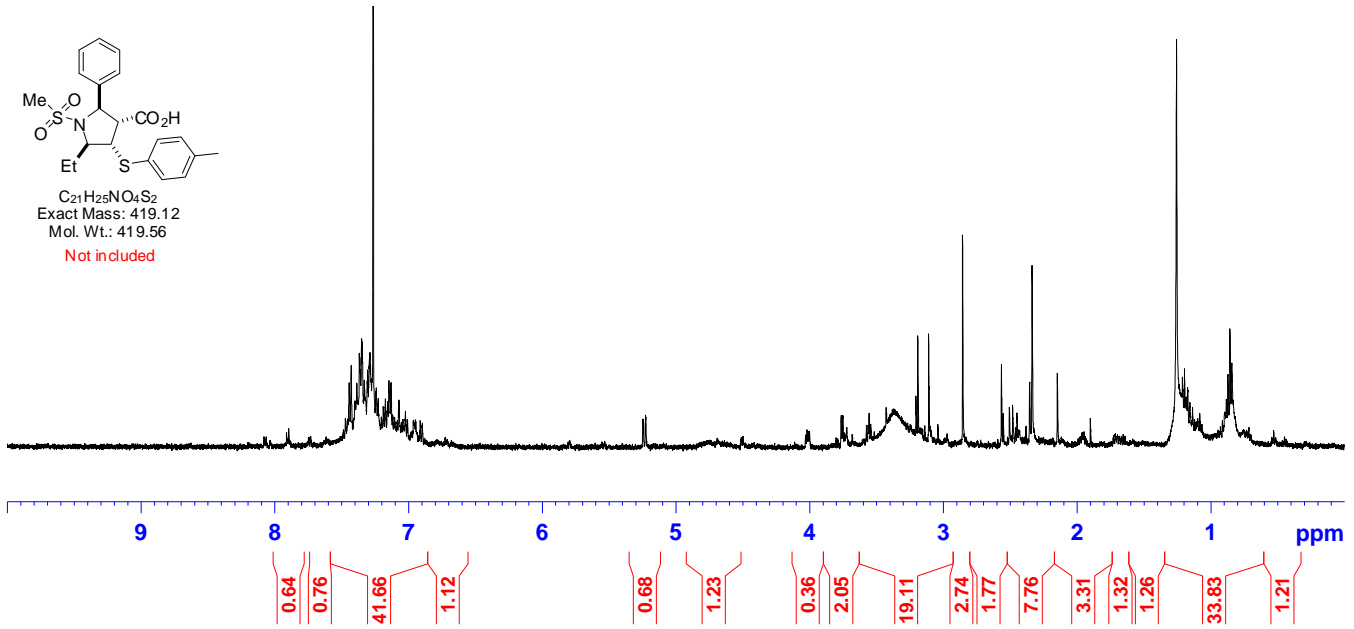


5-Ethyl-1-(methylsulfonyl)-2-phenyl-4-(*p*-tolylthio)pyrrolidine-3-carboxylic acid (A05C19E02)

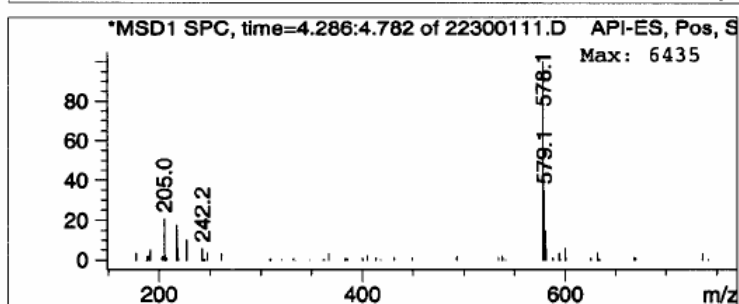
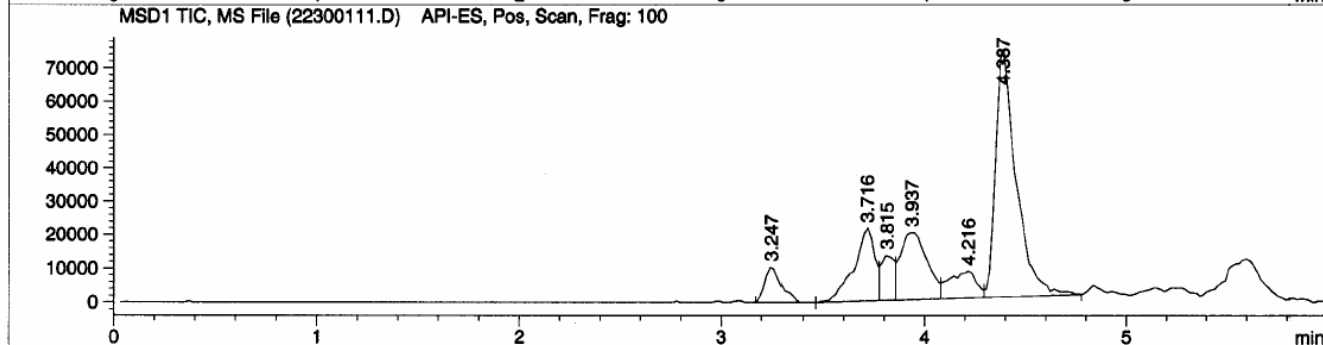
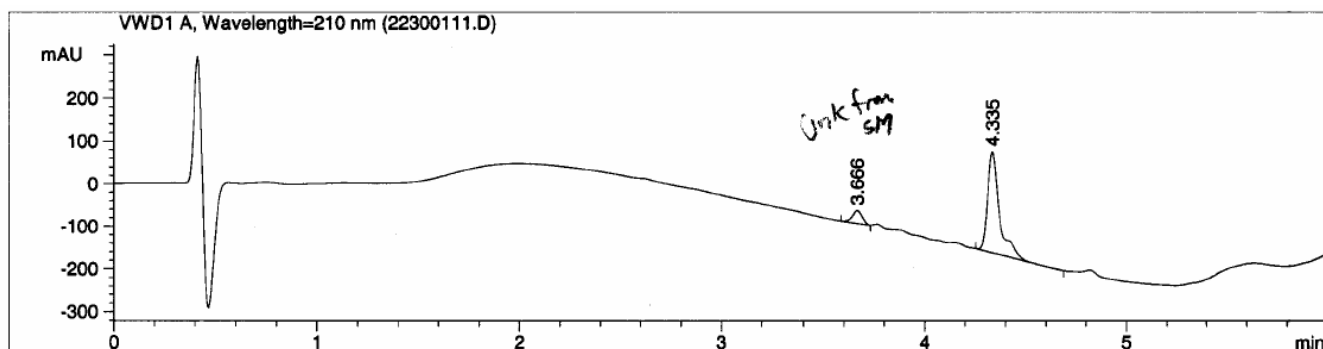
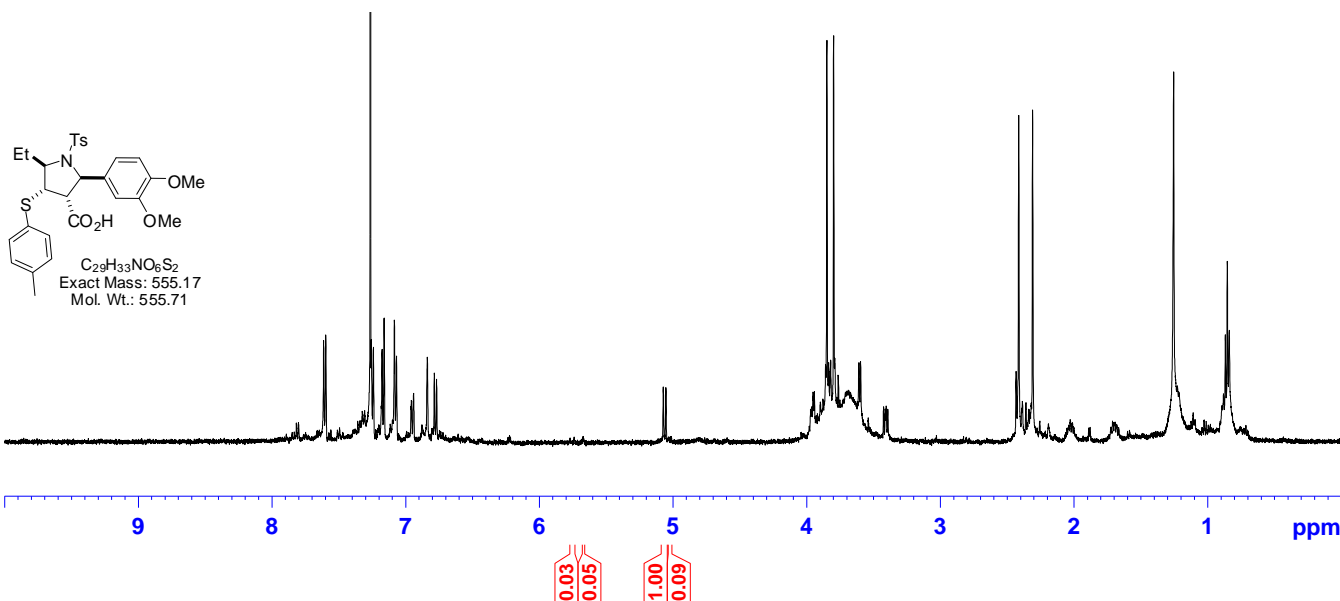


C₂₁H₂₅NO₄S₂
 Exact Mass: 419.12
 Mol. Wt.: 419.56

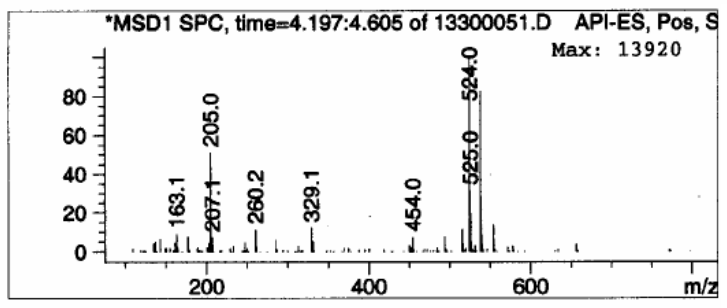
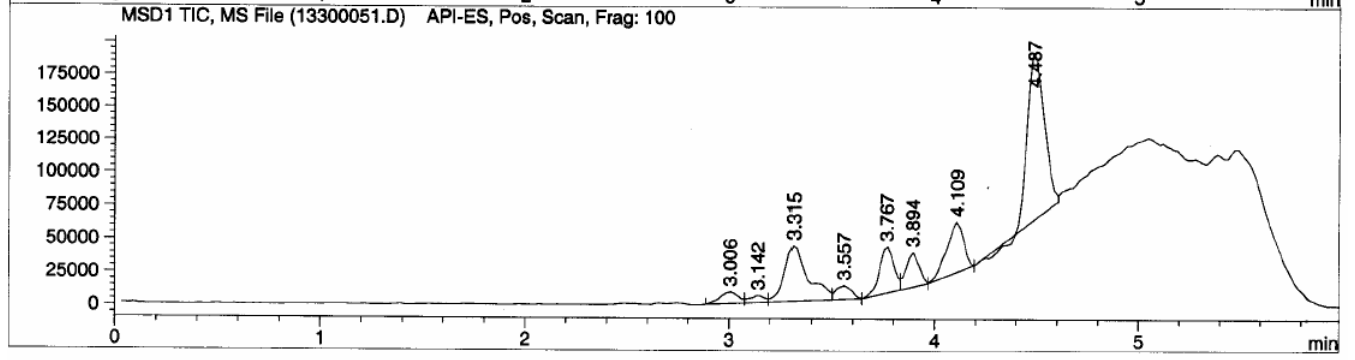
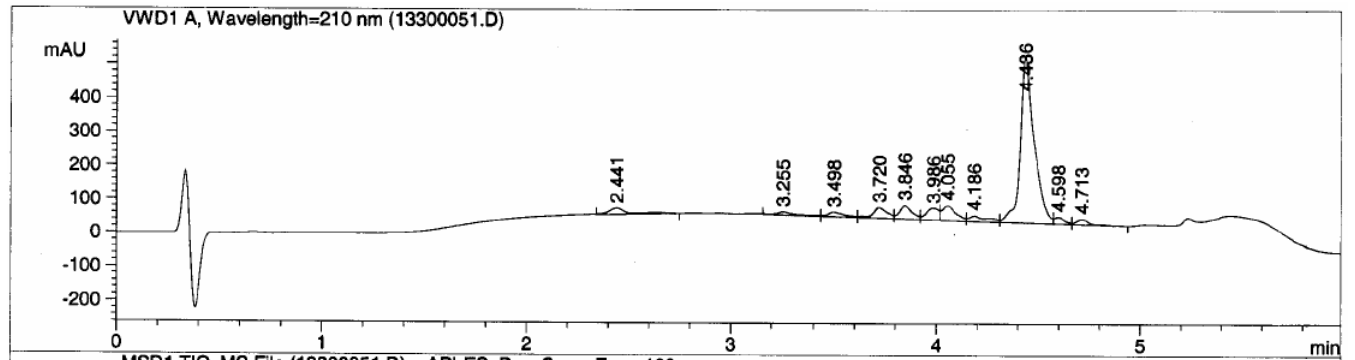
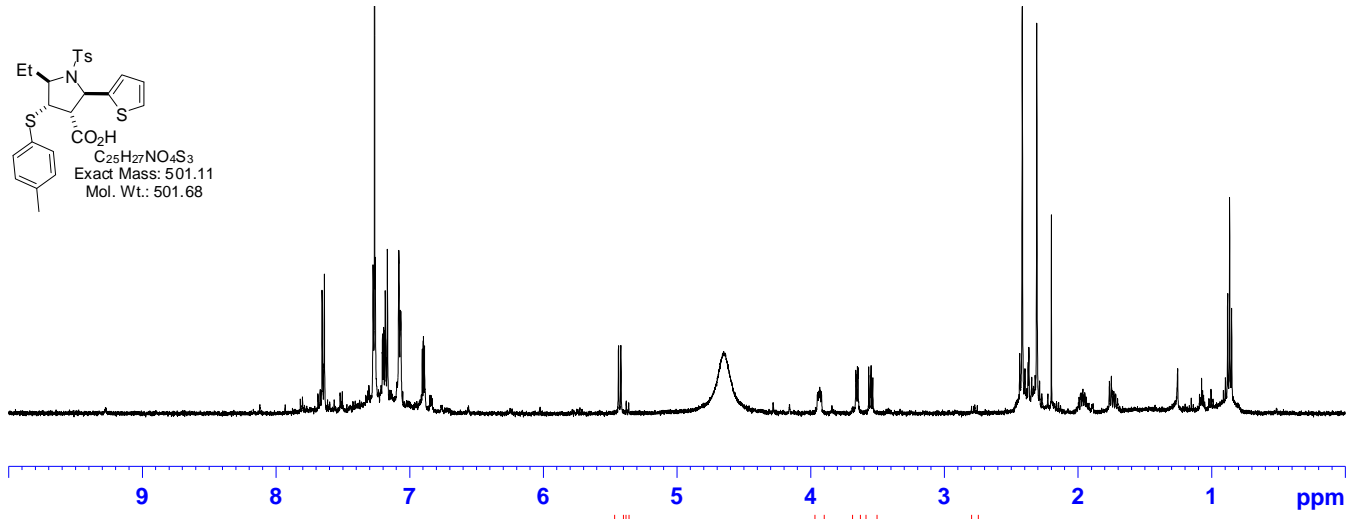
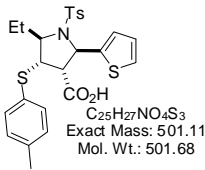
Not included



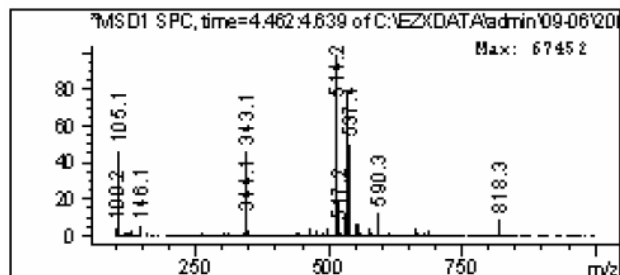
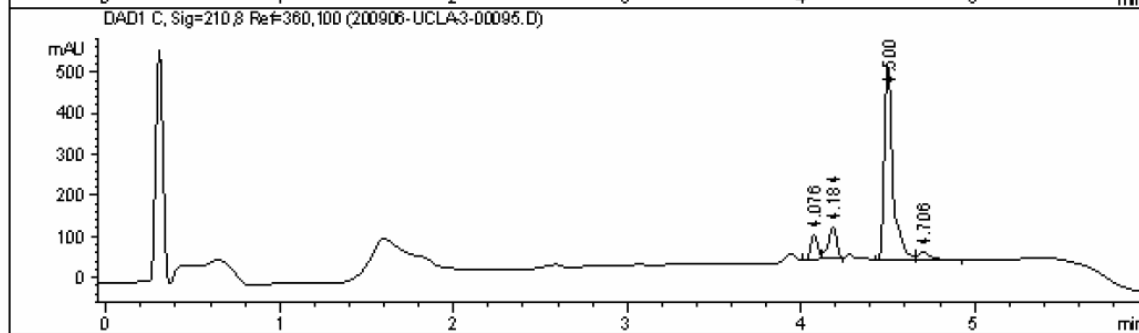
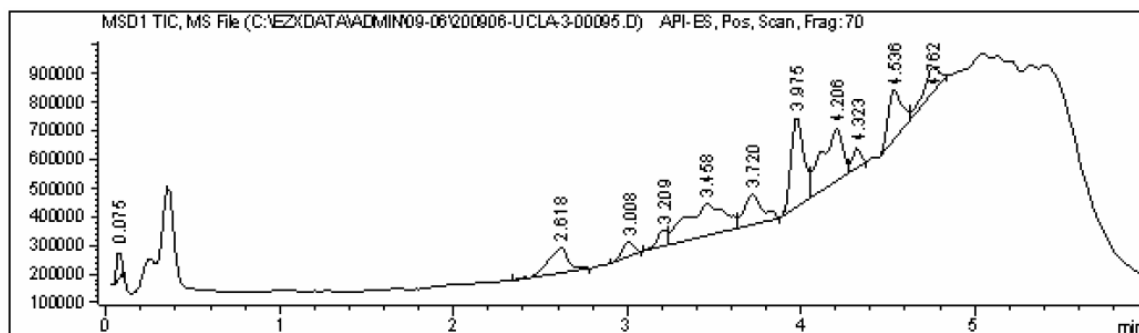
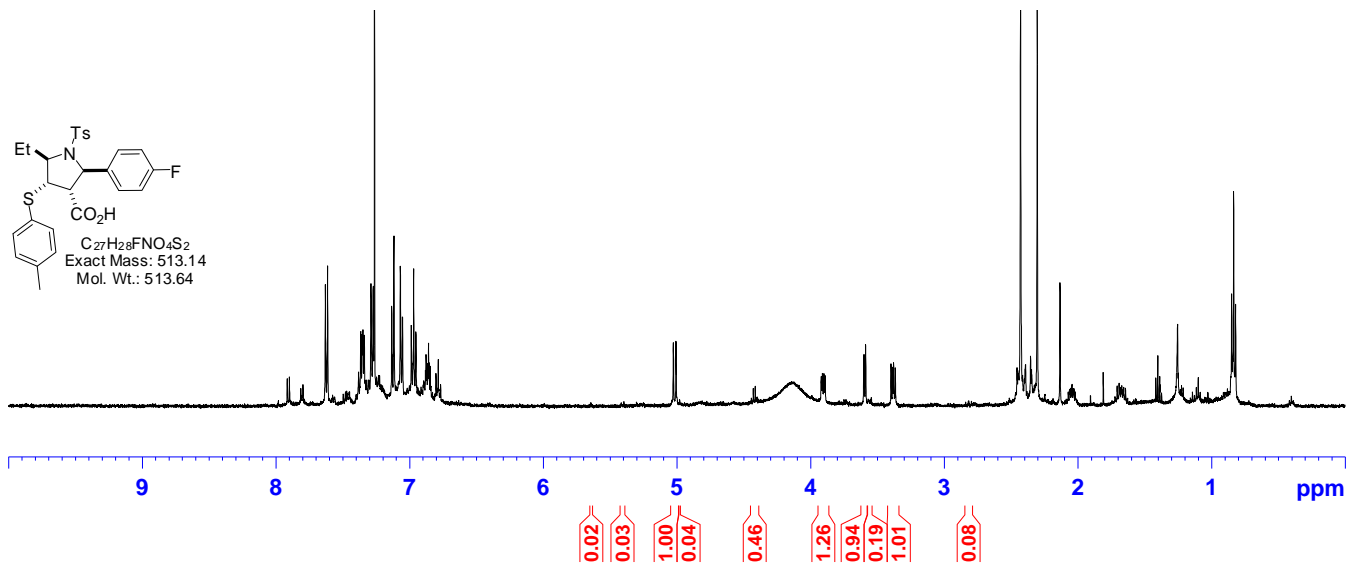
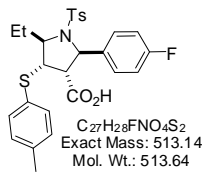
2-(3,4-Dimethoxyphenyl)-5-ethyl-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C20E02)



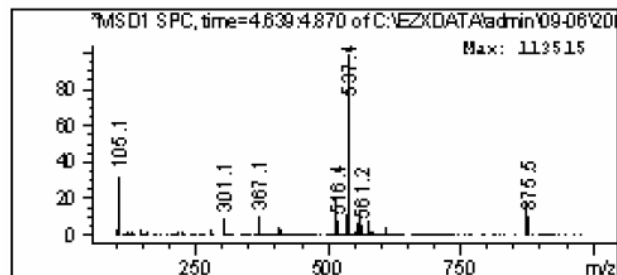
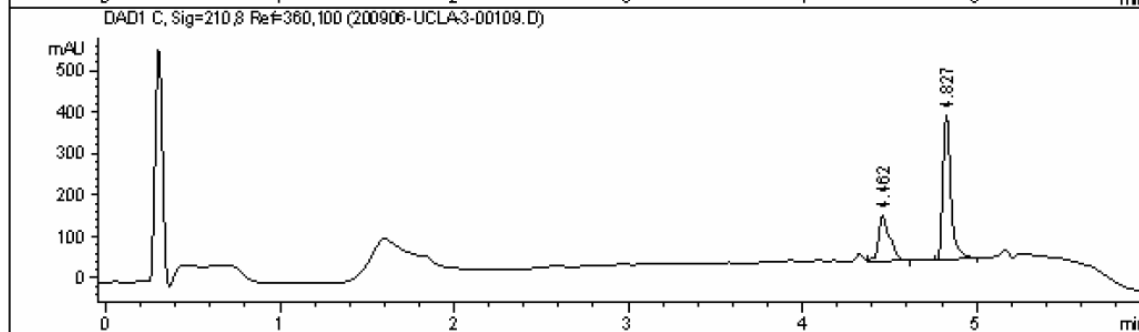
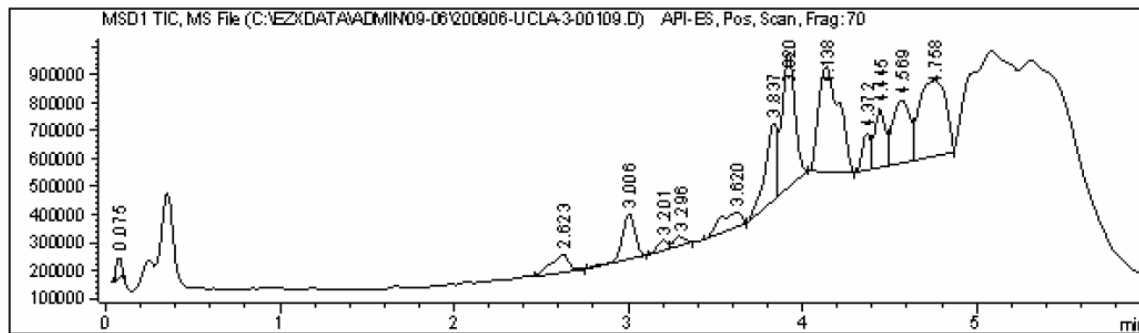
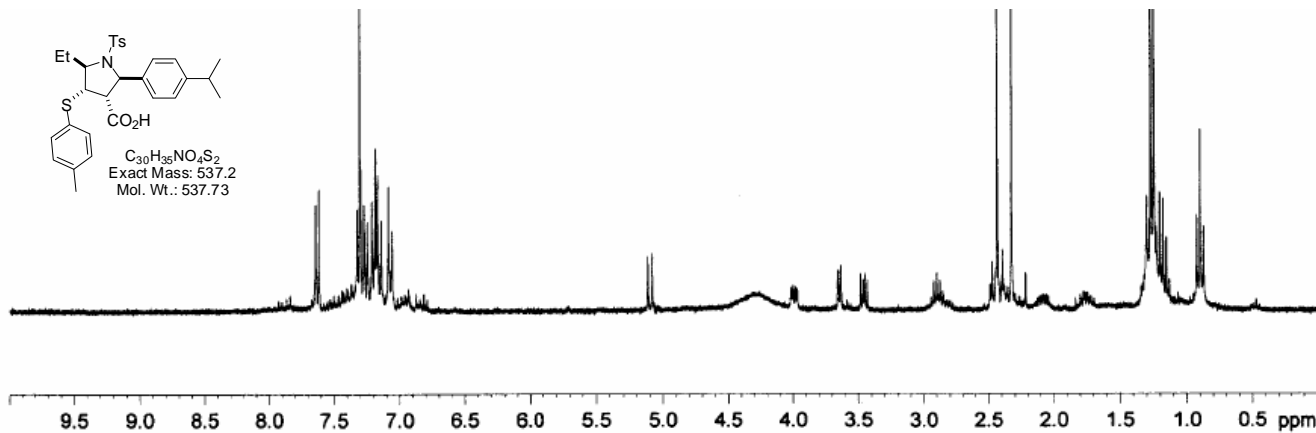
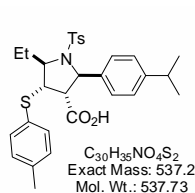
5-Ethyl-2-(thiophen-2-yl)-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C21E02)



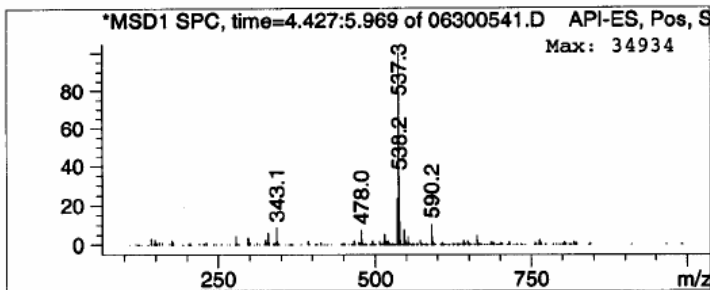
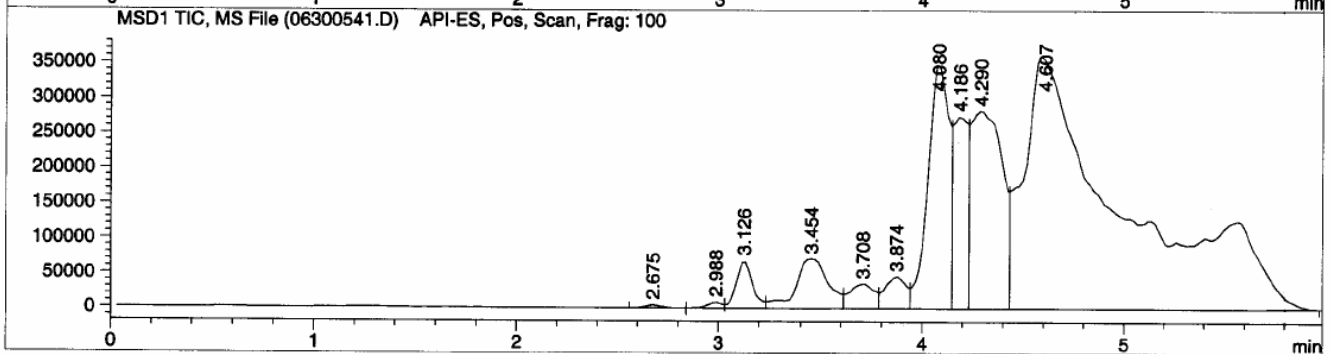
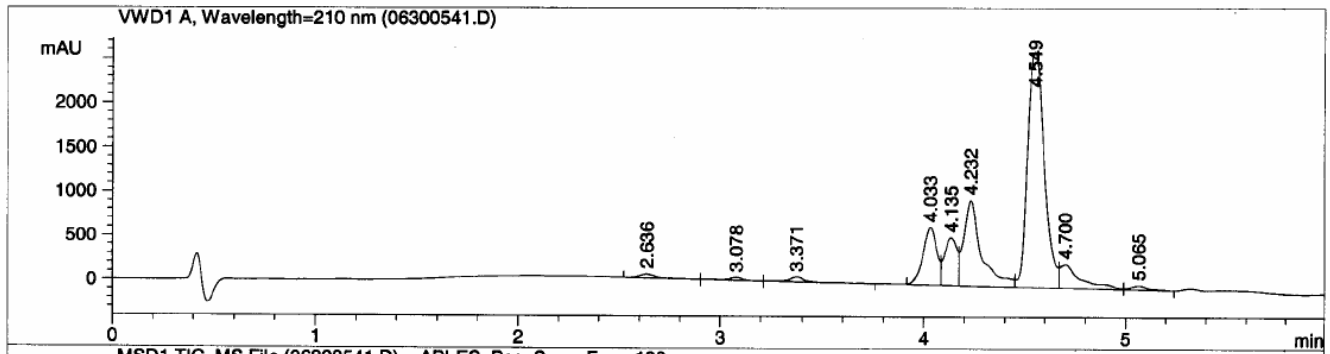
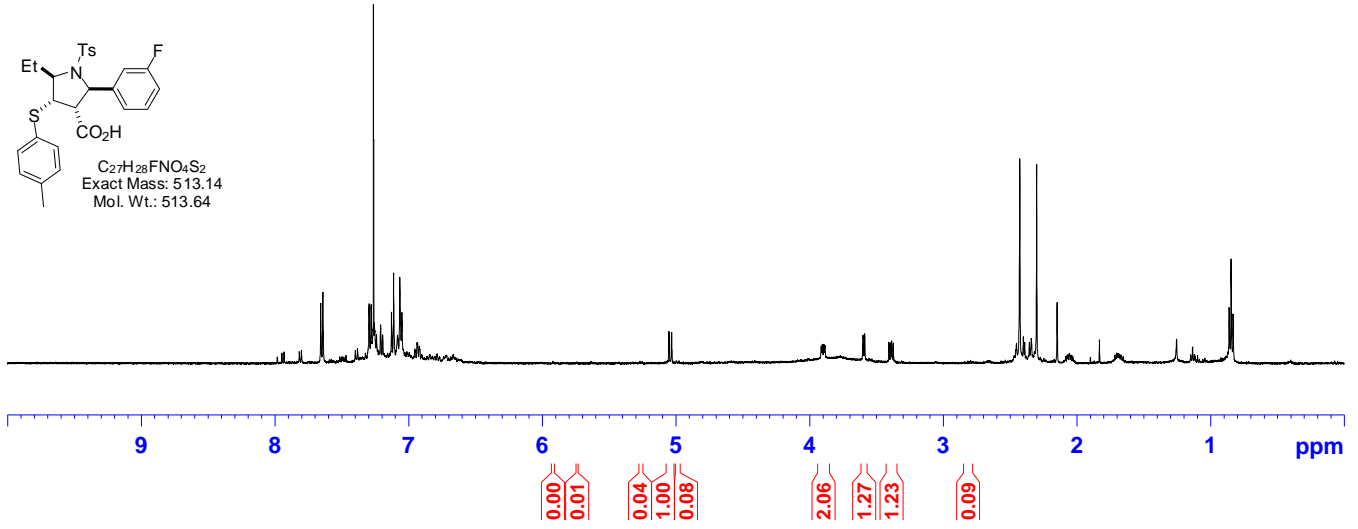
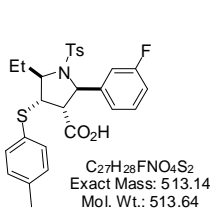
5-Ethyl-2-(4-fluorophenyl)-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C23E02)



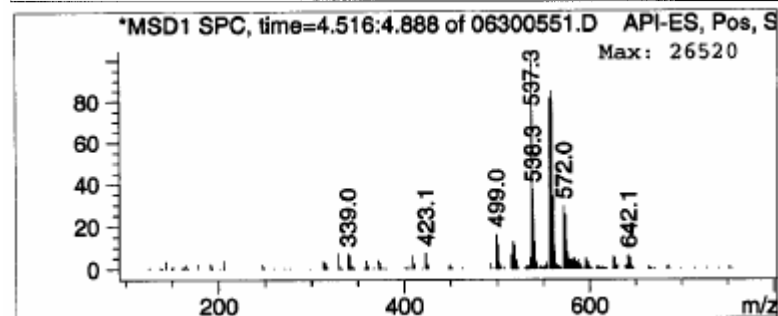
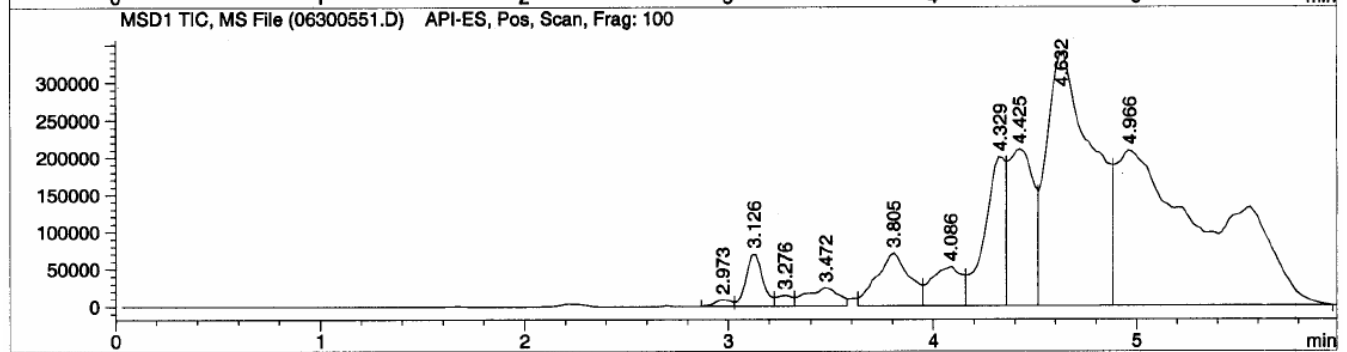
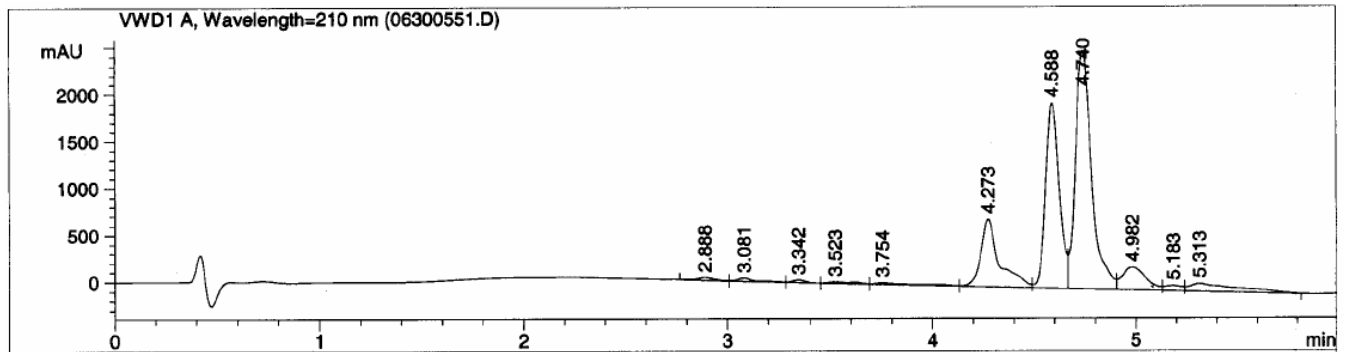
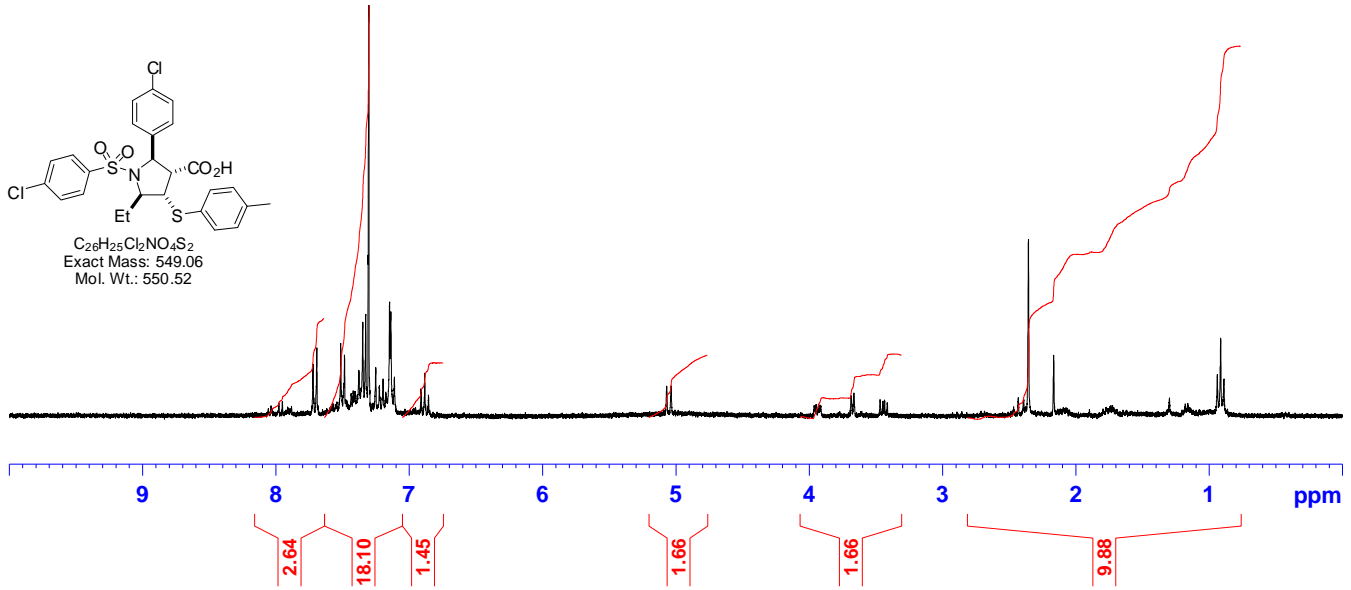
5-Ethyl-2-(4-isopropylphenyl)-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C24E02)



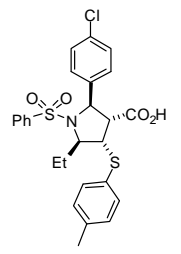
5-Ethyl-2-(3-fluorophenyl)-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C26E02)



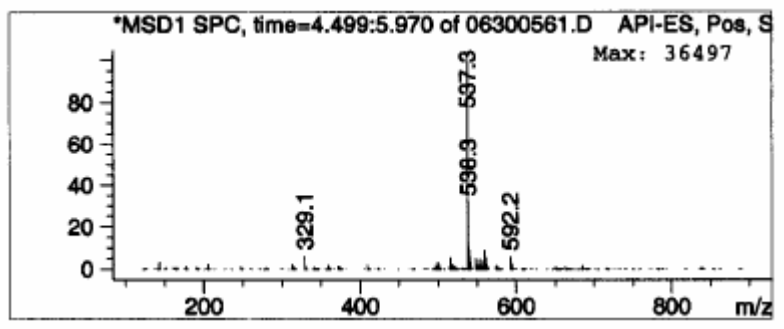
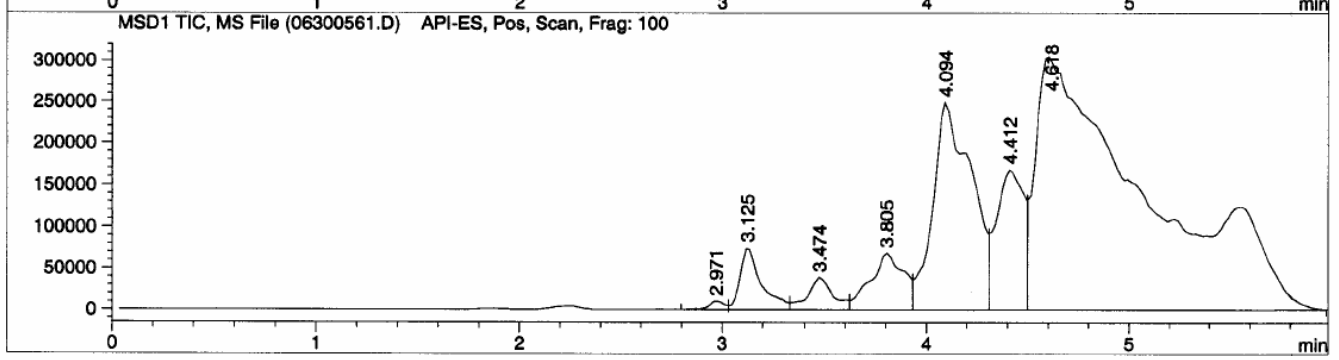
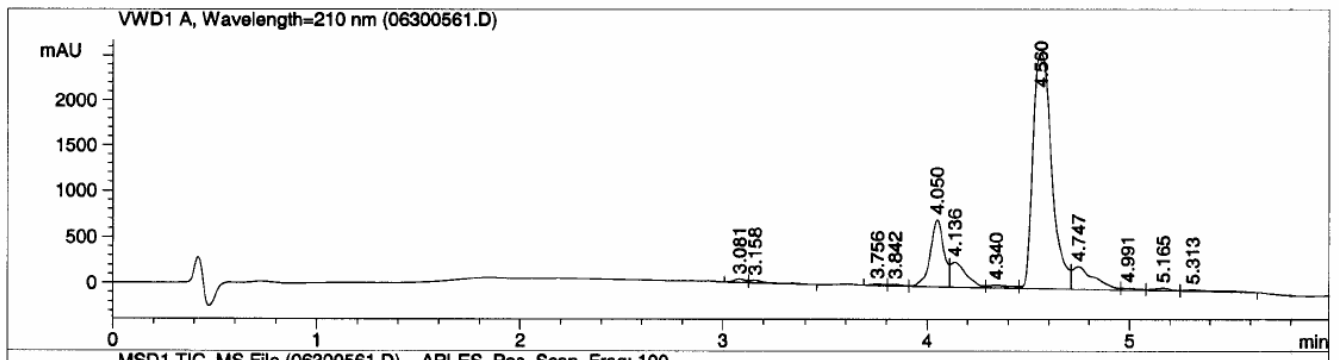
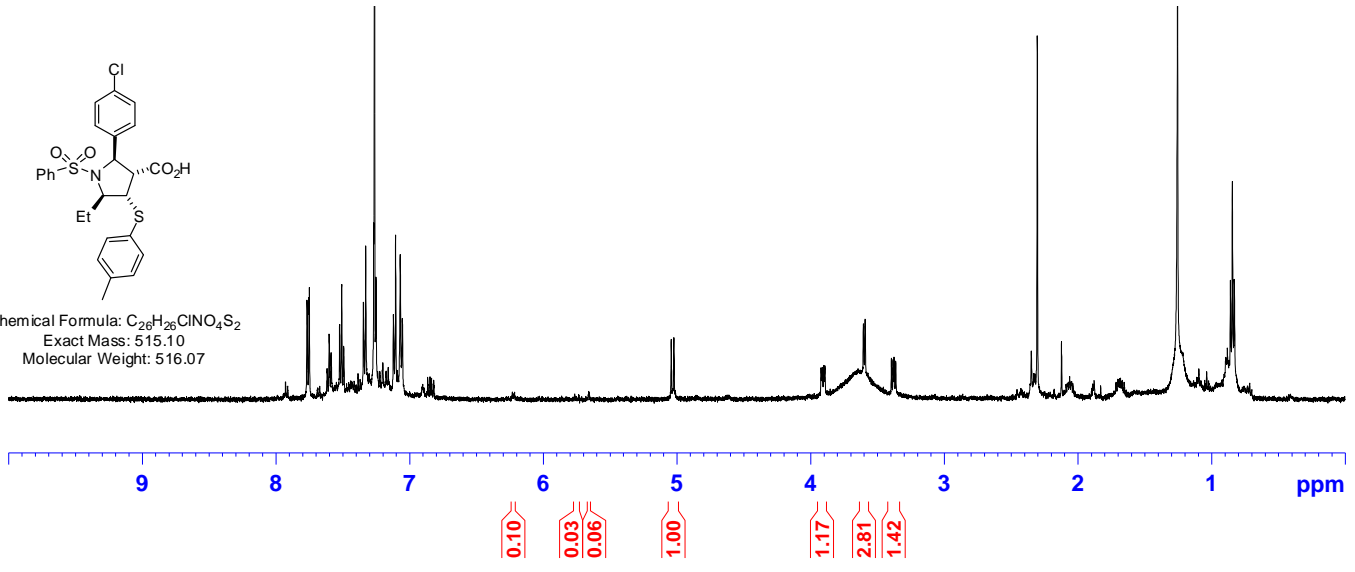
2-(4-Chlorophenyl)-1-(4-chlorophenylsulfonyl)-5-ethyl-4-(p-tolylthio)pyrrolidine-3-carboxylic acid (A05C27E02)



2-(4-Chlorophenyl)-5-ethyl-1-(phenylsulfonyl)-4-(p-tolylthio)pyrrolidine-3-carboxylic acid (A05C29E02)

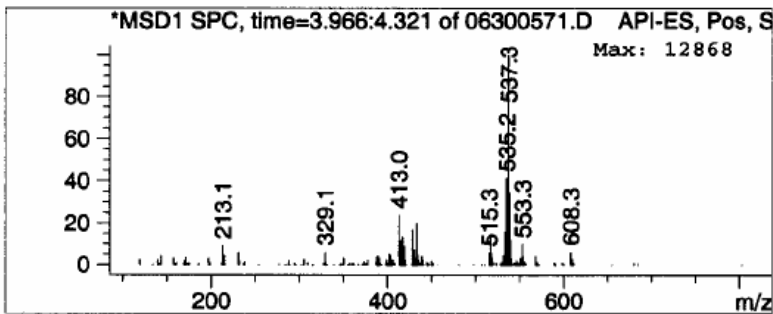
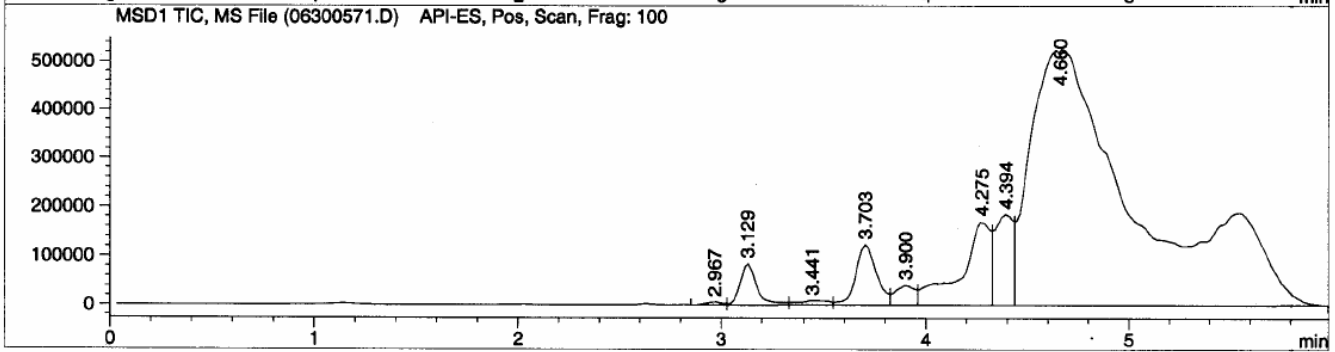
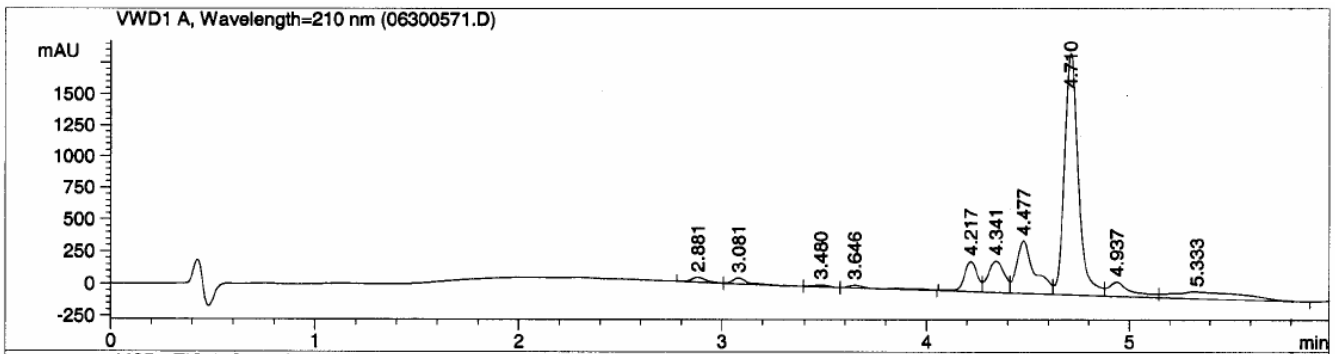
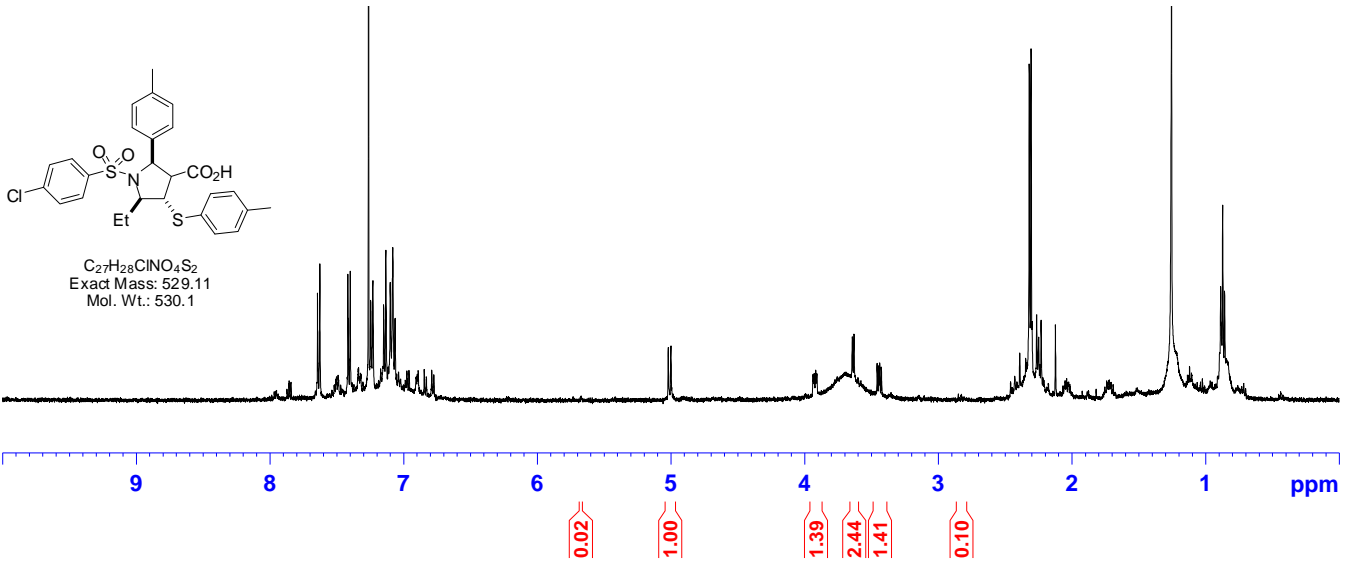


Chemical Formula: C₂₆H₂₆ClNO₄S₂
 Exact Mass: 515.10
 Molecular Weight: 516.07

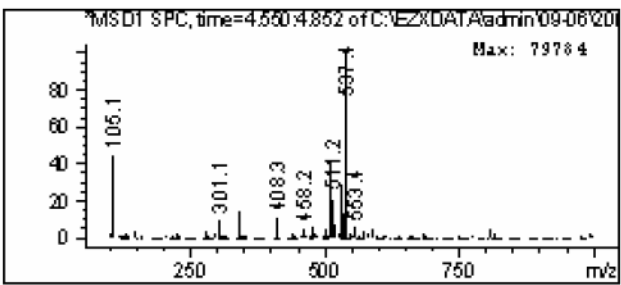
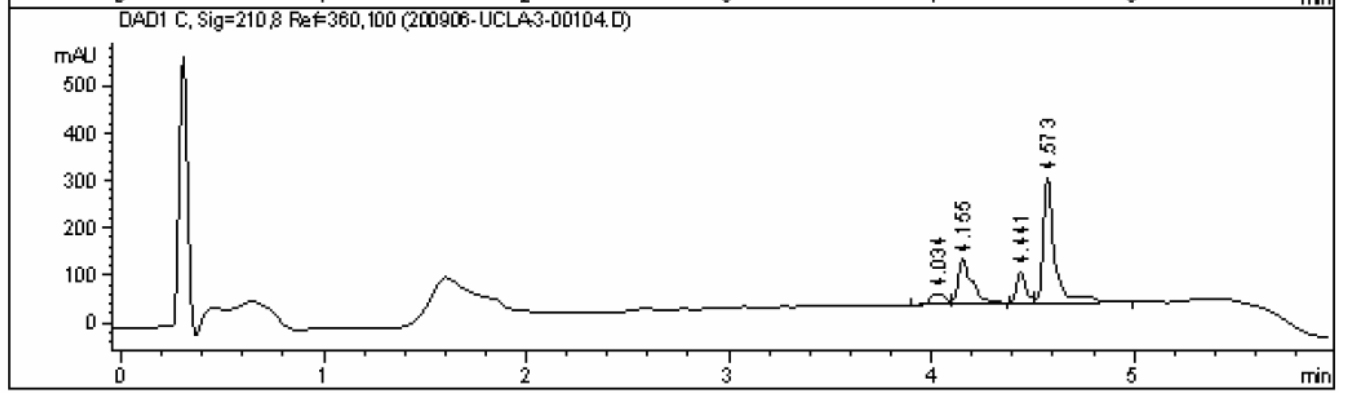
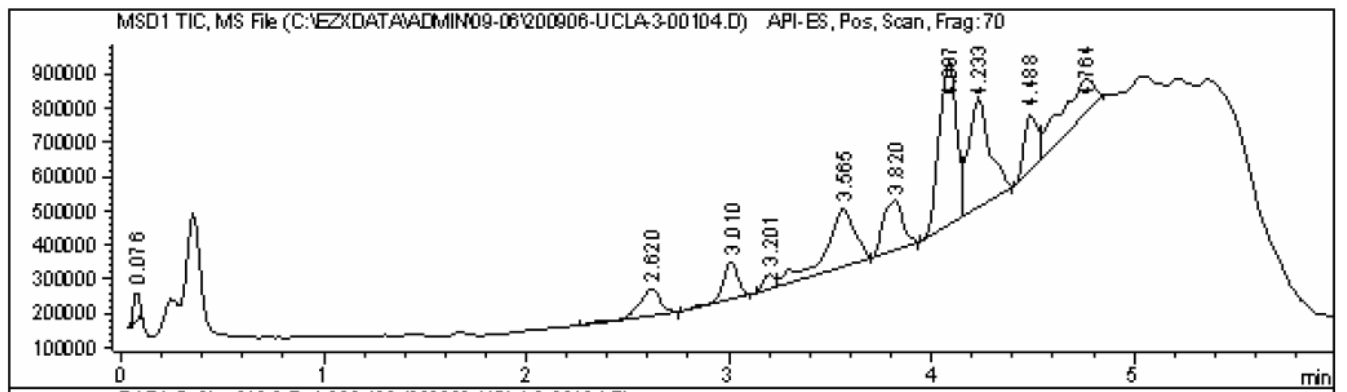
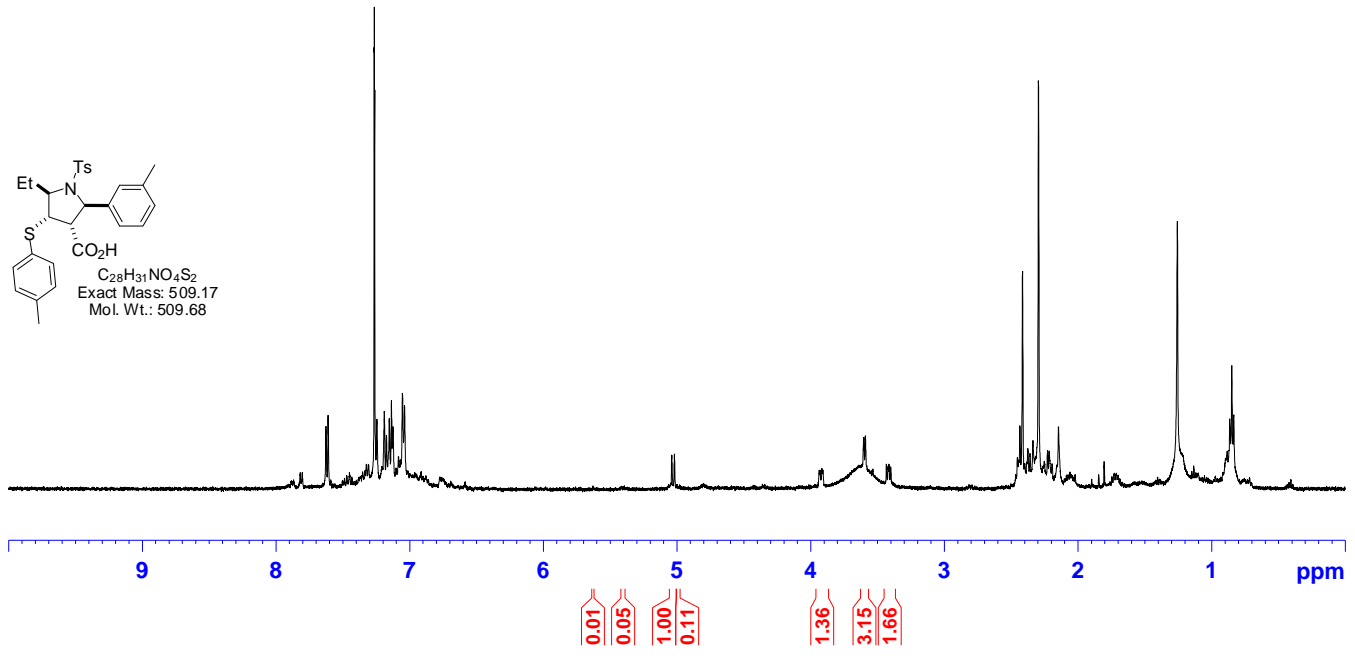


Component 1: Peak at Scan 258.3. Top ions are 538 540 539

1-(4-Chlorophenylsulfonyl)-5-ethyl-2-(*p*-tolyl)-4-(*p*-tolylthio)pyrrolidine-3-carboxylic acid (A05C30E02)

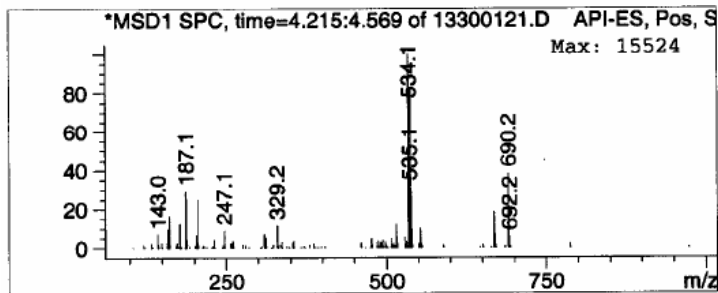
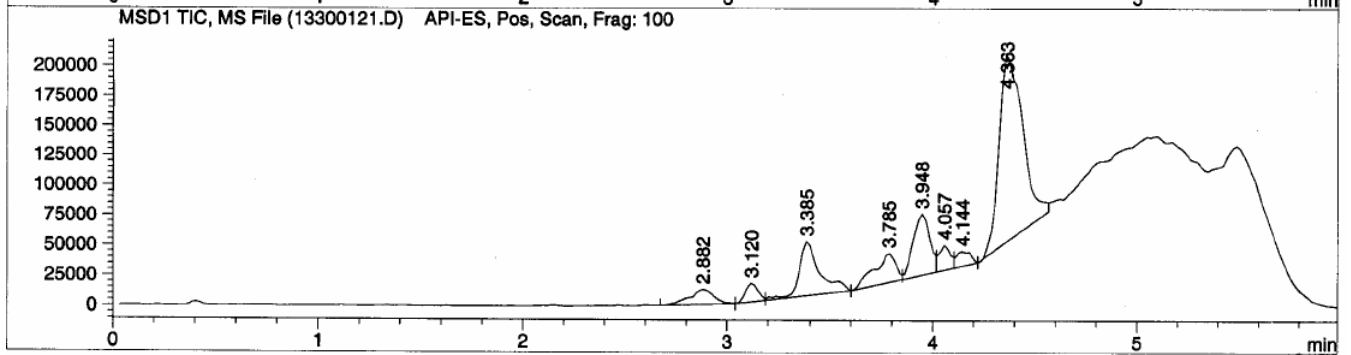
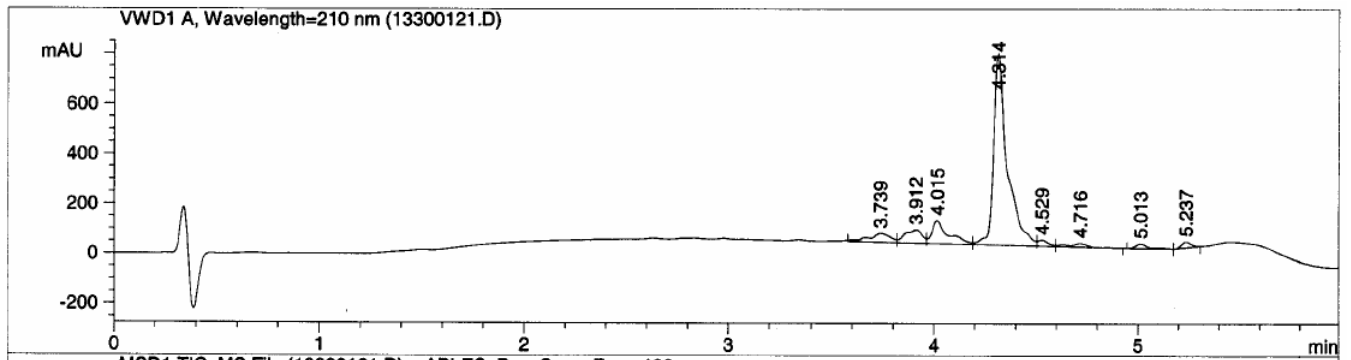
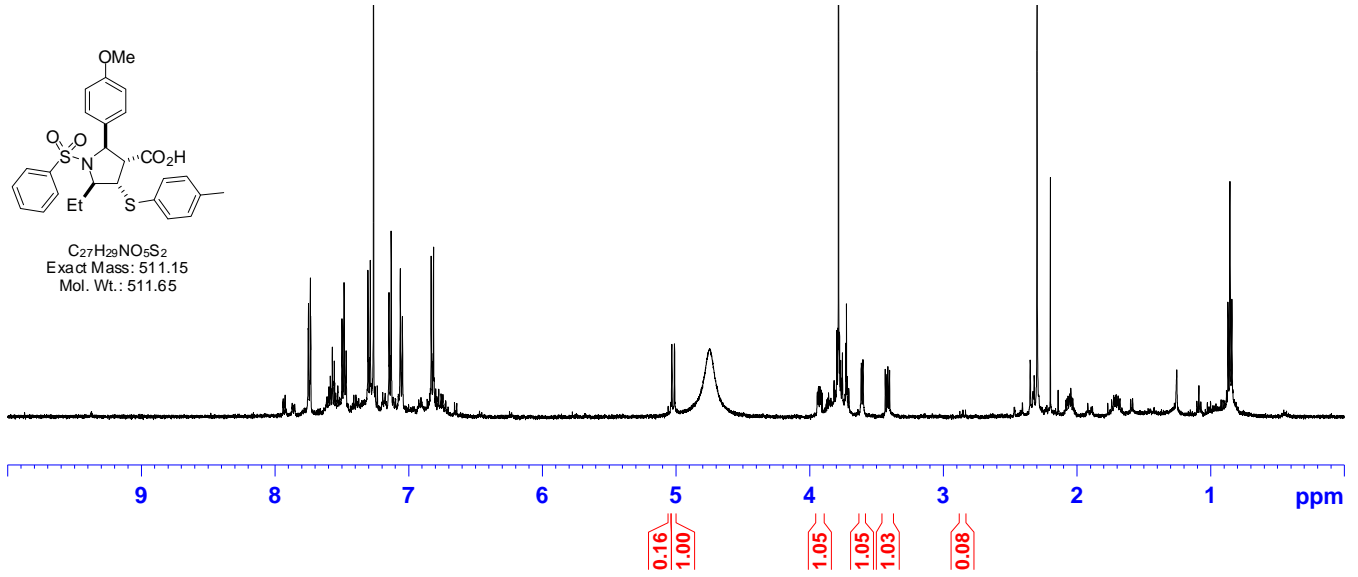
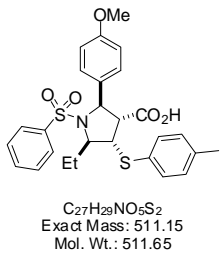


5-Ethyl-2-(*m*-tolyl)-4-(*p*-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C33E02)

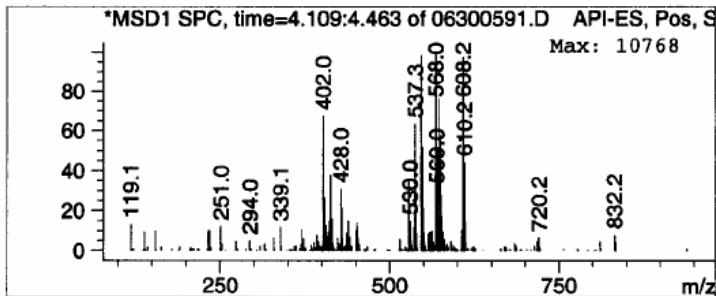
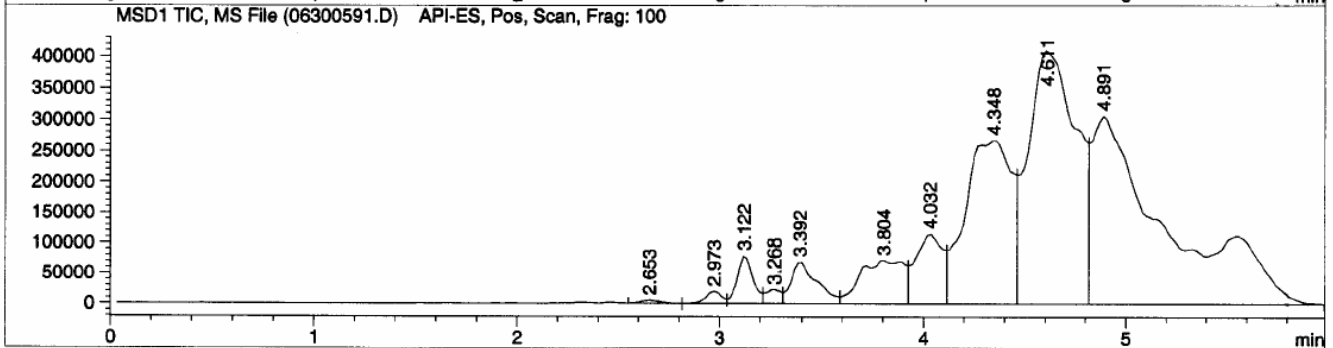
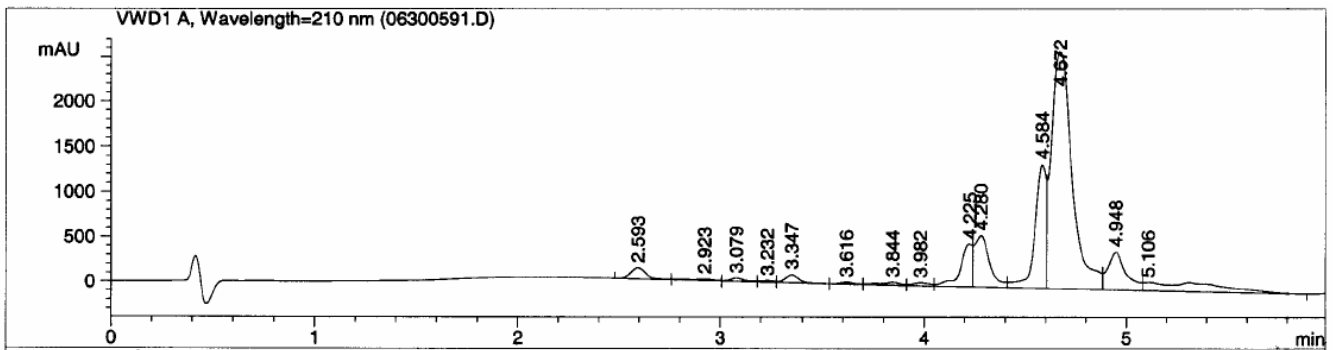
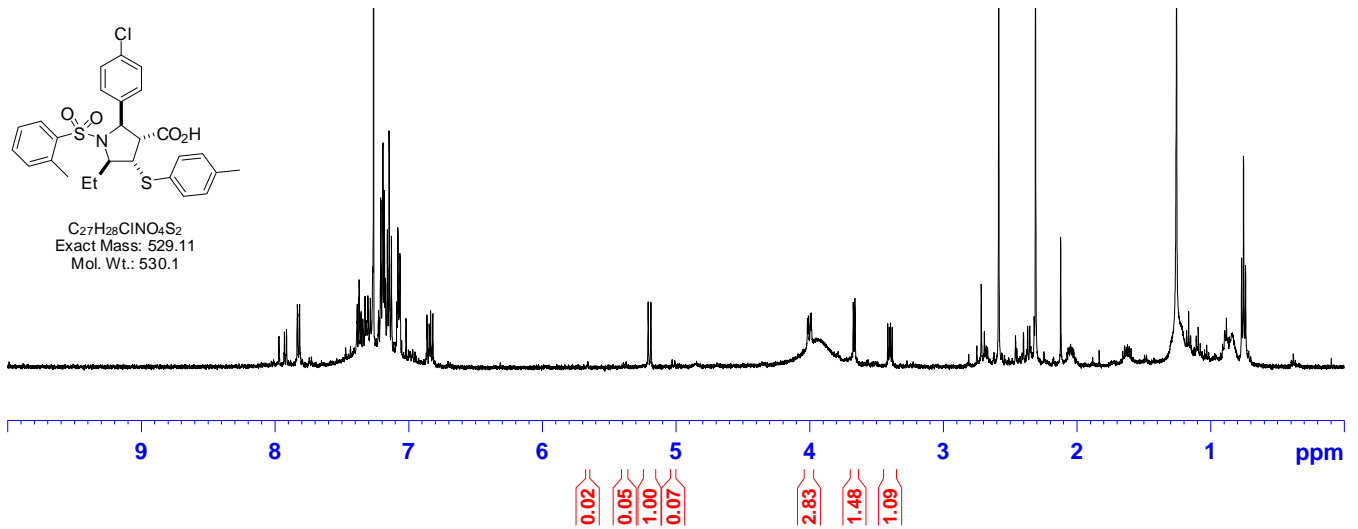
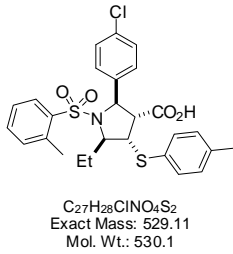


Peak #10 at 4.764 min (4.546 to 4.851 min)
 -> The analysis found only one component, indicating a pure peak. <-
 Component 1: Peak at Scan 259.7. Top ions are 510 532 511

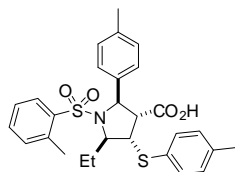
5-Ethyl-2-(4-methoxyphenyl)-1-(phenylsulfonyl)-4-(p-tolylthio)pyrrolidine-3-carboxylic acid (A05C35E02)



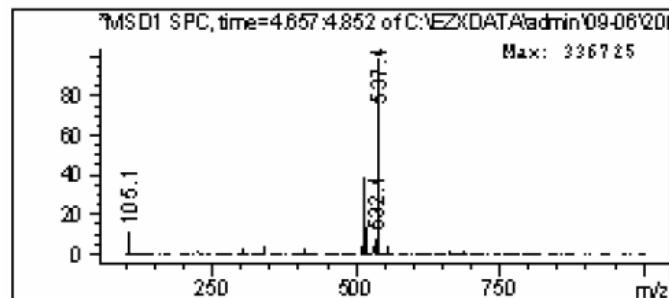
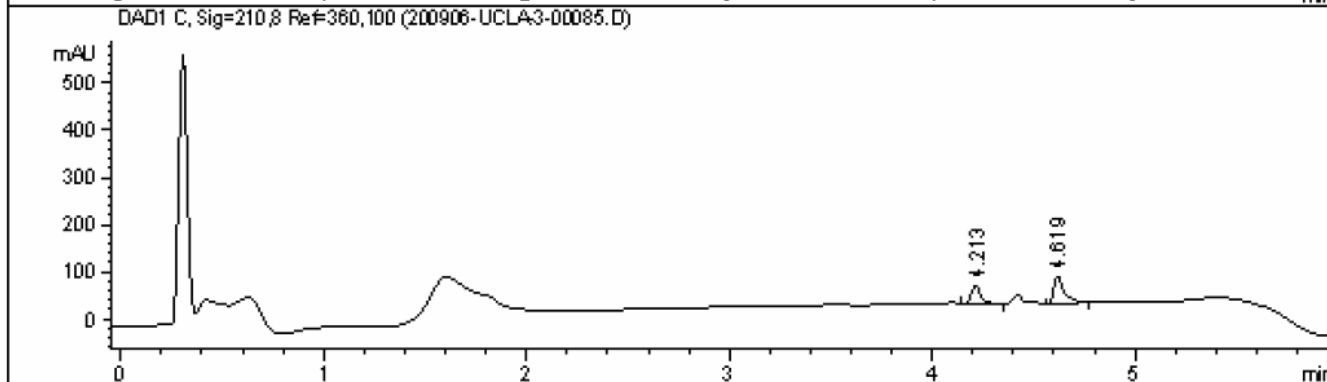
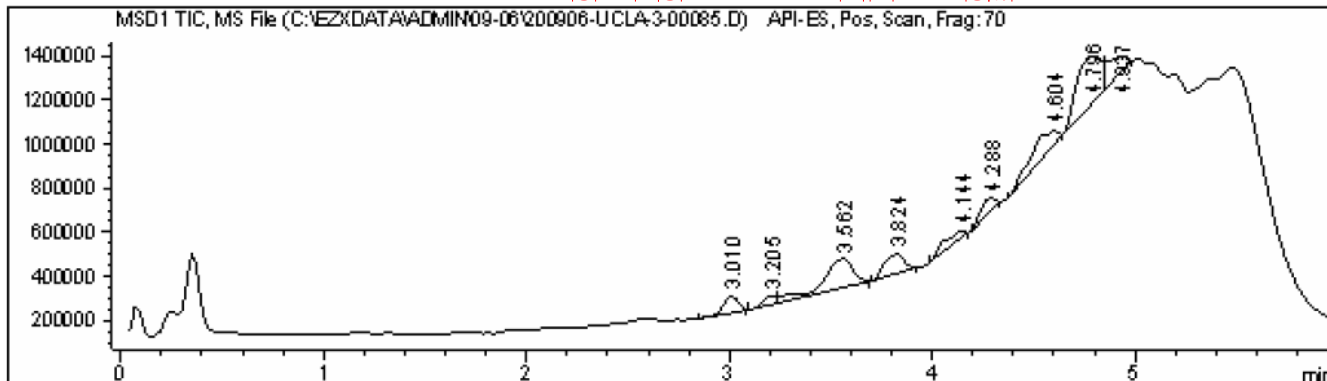
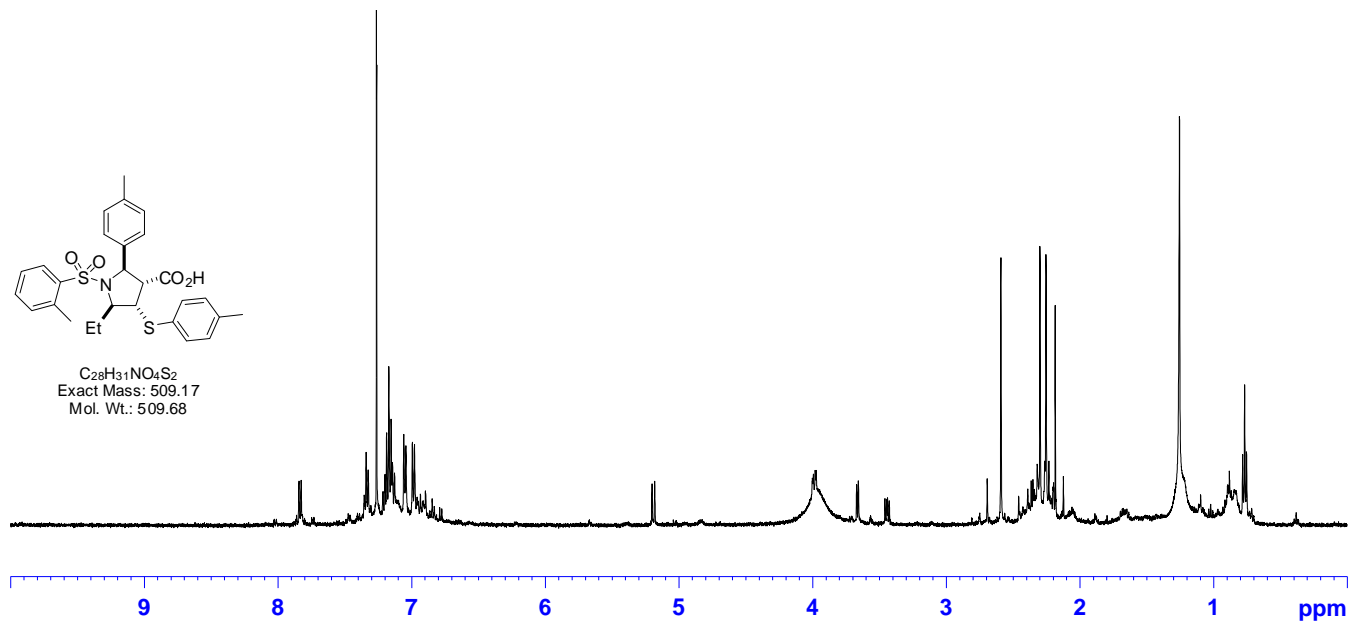
2-(4-Chlorophenyl)-5-ethyl-1-(*o*-tolylsulfonyl)-4-(*p*-tolylthio)pyrrolidine-3-carboxylic acid (A05C40E02)



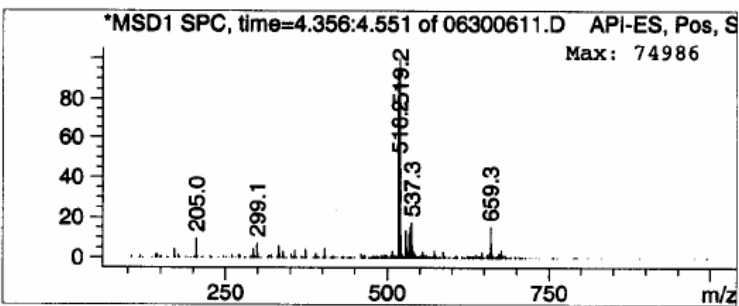
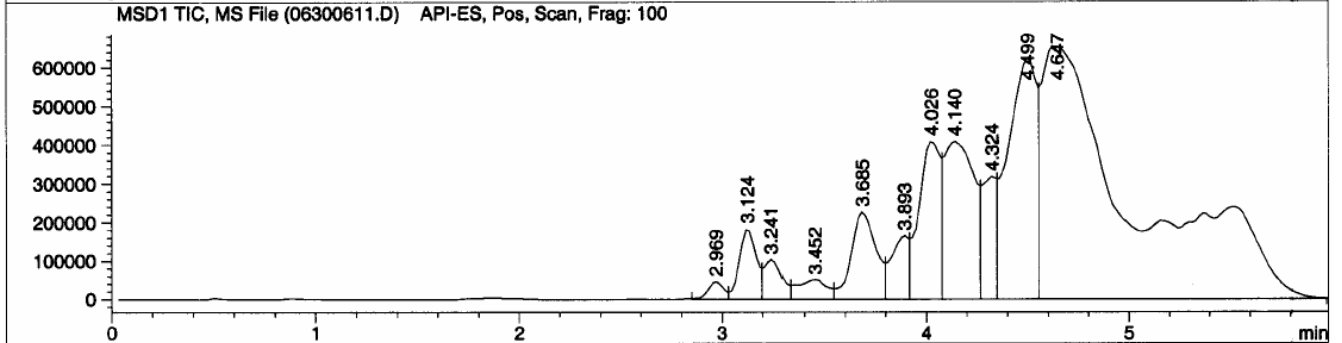
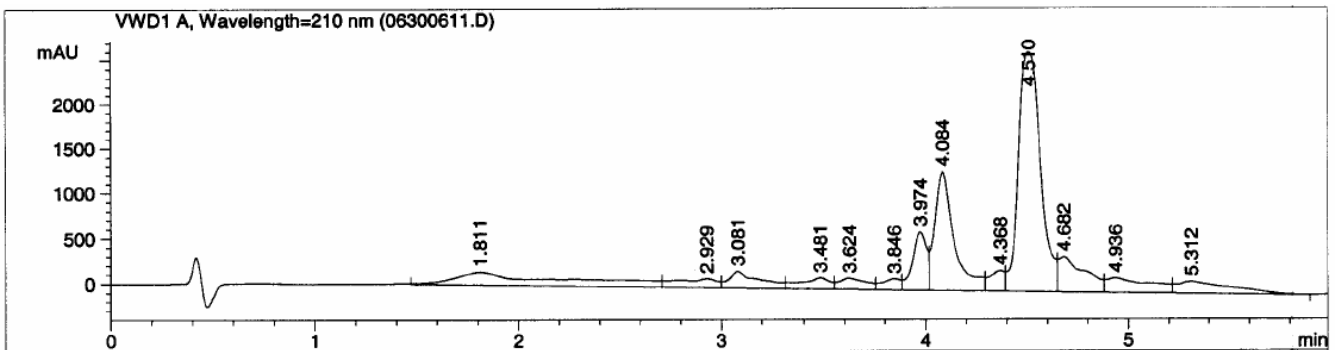
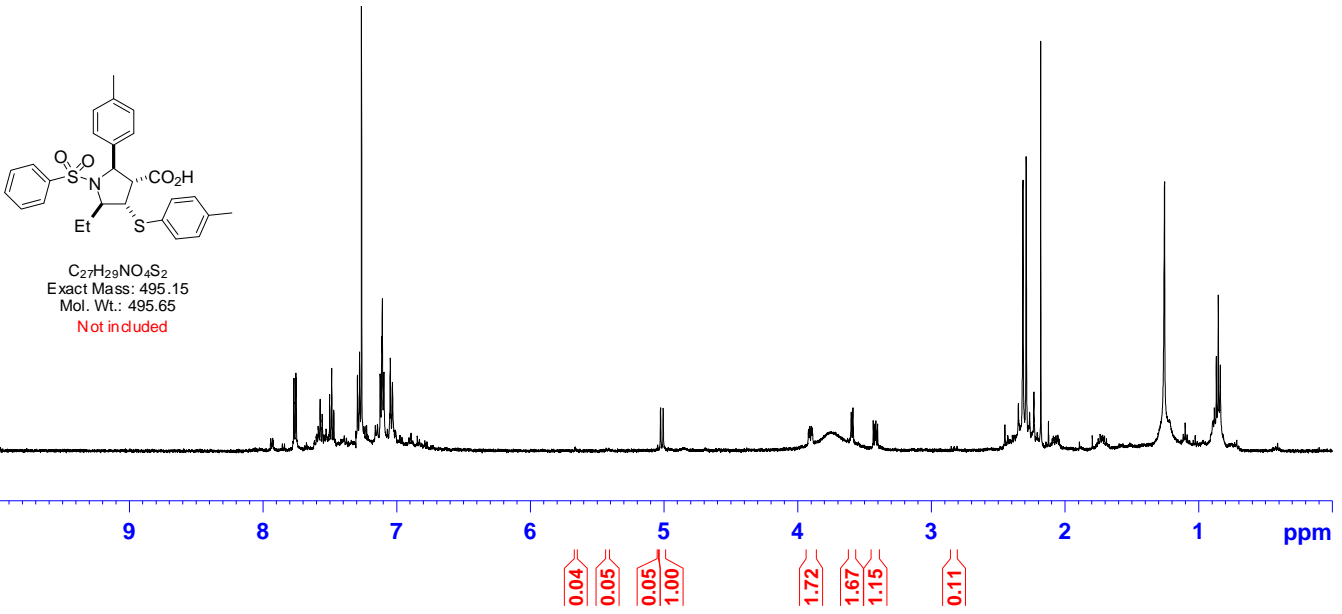
5-Ethyl-2-(*p*-tolyl)-1-(*o*-tolylsulfonyl)-4-(*p*-tolylthio)pyrrolidine-3-carboxylic acid (A05C41E02)



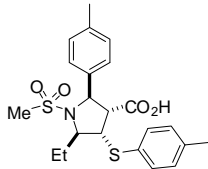
C₂₈H₃₁NO₄S₂
 Exact Mass: 509.17
 Mol. Wt.: 509.68



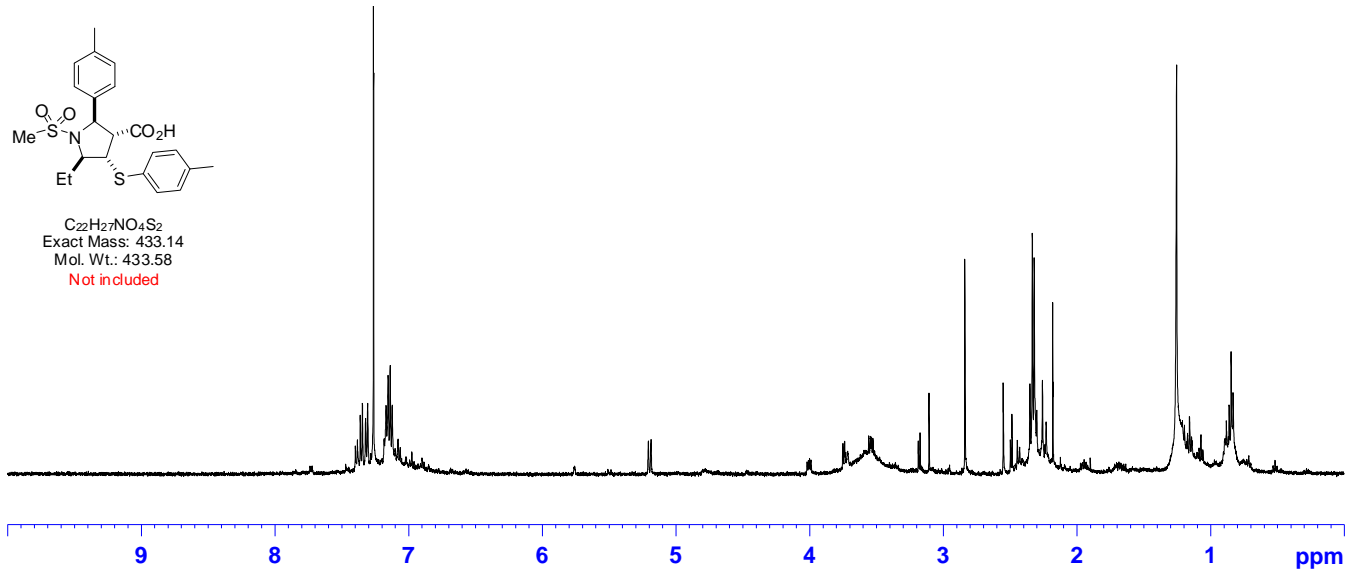
5-Ethyl-1-(phenylsulfonyl)-2-(*p*-tolyl)-4-(*p*-tolylthio)pyrrolidine-3-carboxylic acid (A05C43E02)



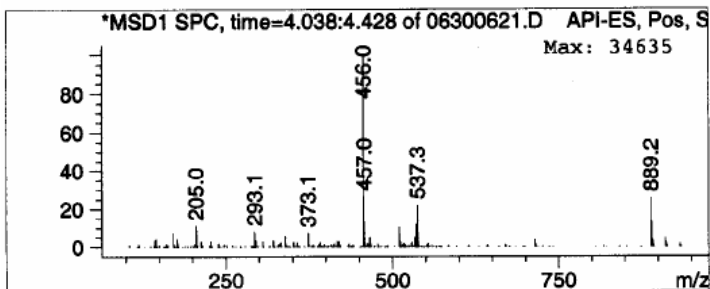
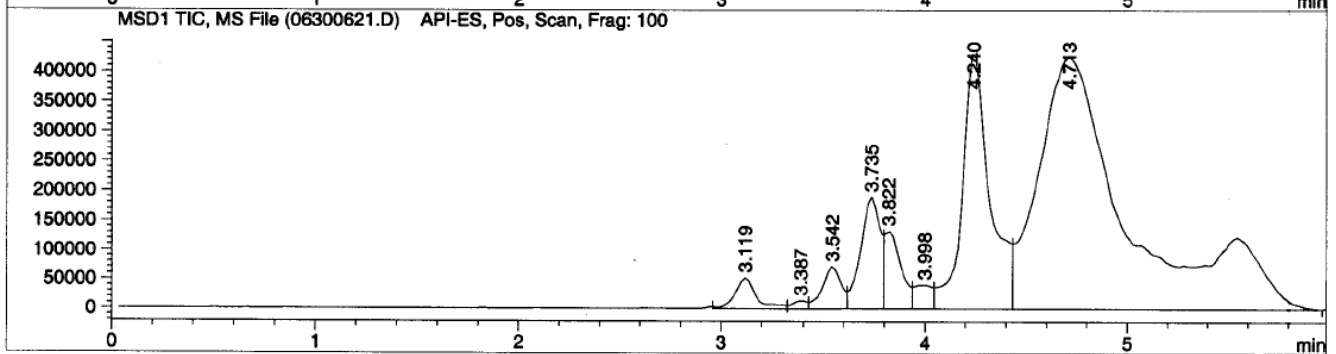
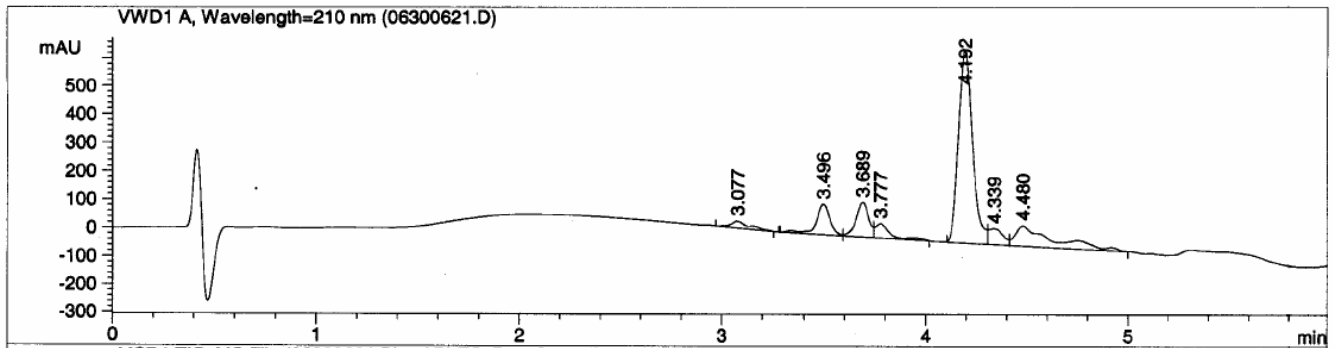
5-Ethyl-1-(methylsulfonyl)-2-(*p*-tolyl)-4-(*p*-tolylthio)pyrrolidine-3-carboxylic acid (A05C46E02)



C₂₂H₂₇NO₄S₂
 Exact Mass: 433.14
 Mol. Wt.: 433.58
 Not included

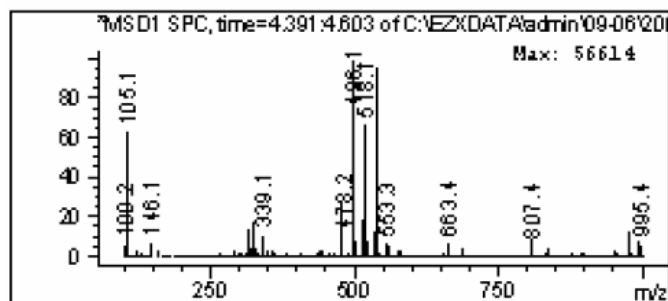
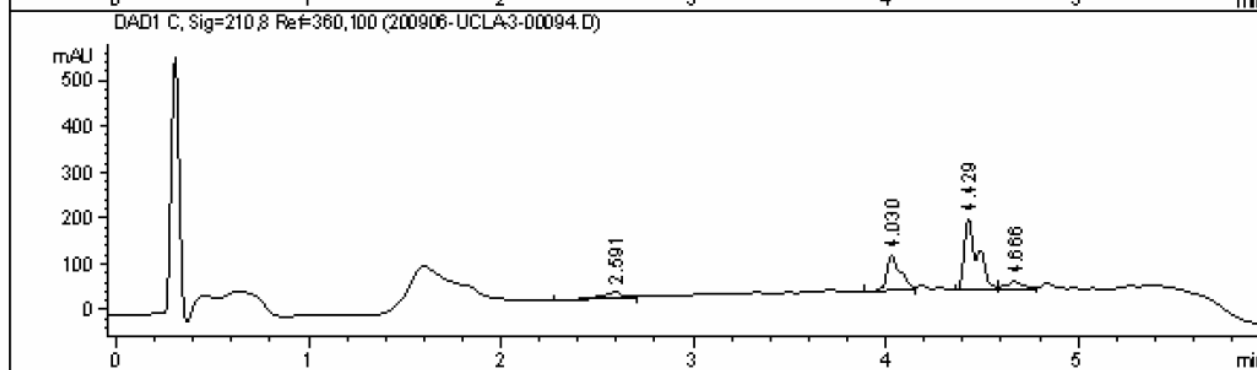
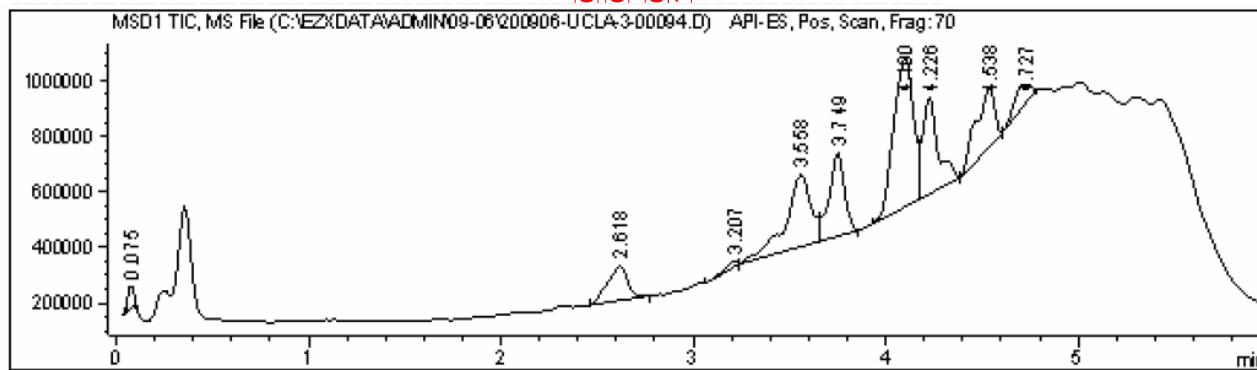
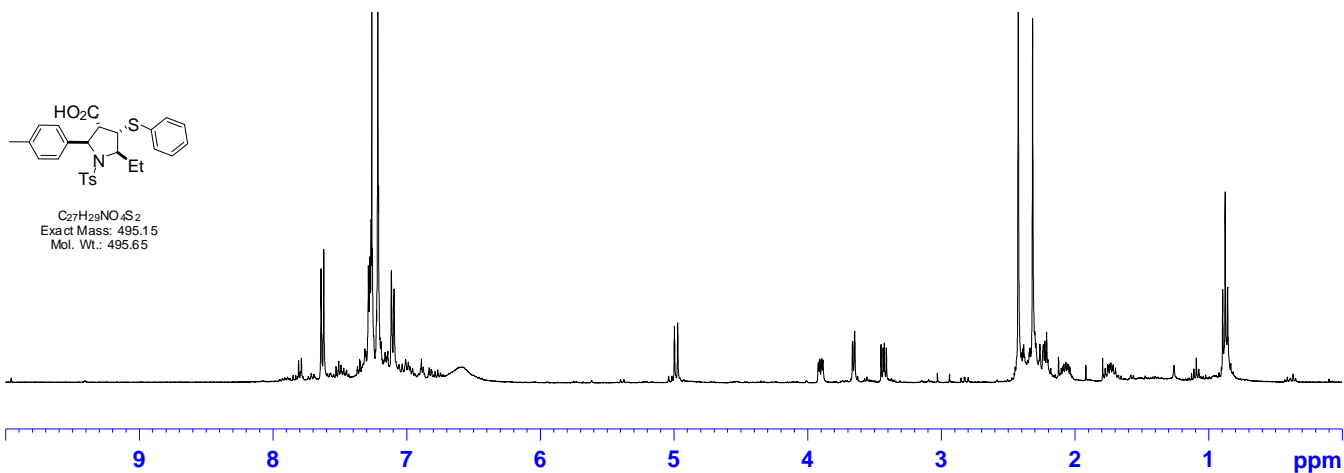


0.15 0.07 1.00 0.76 2.33 2.89

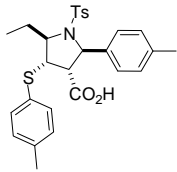


Spectral Data for Table 11

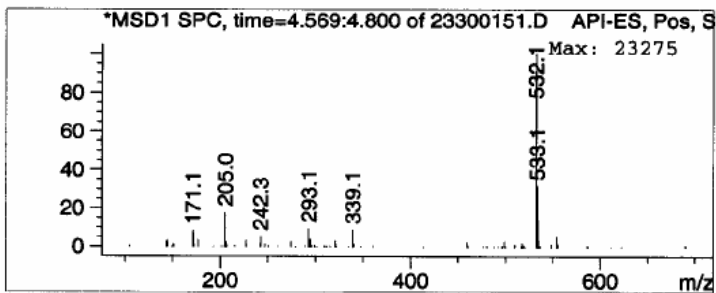
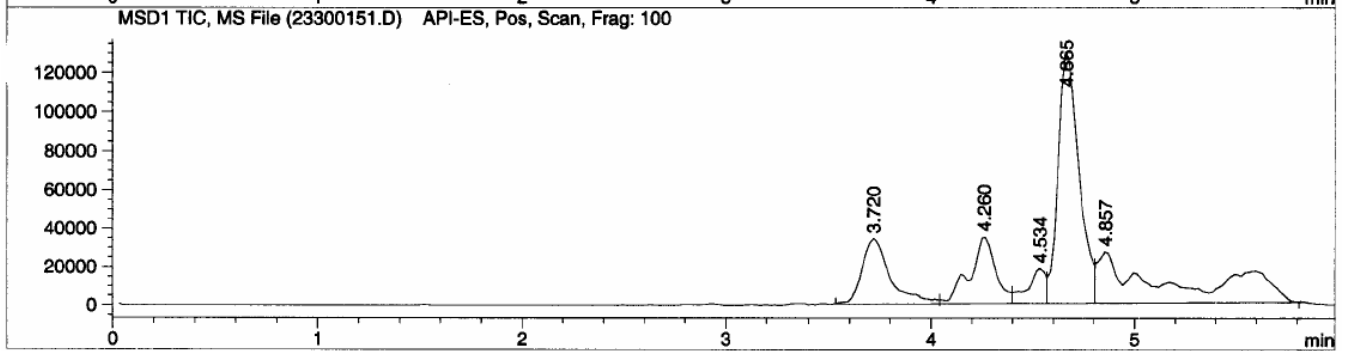
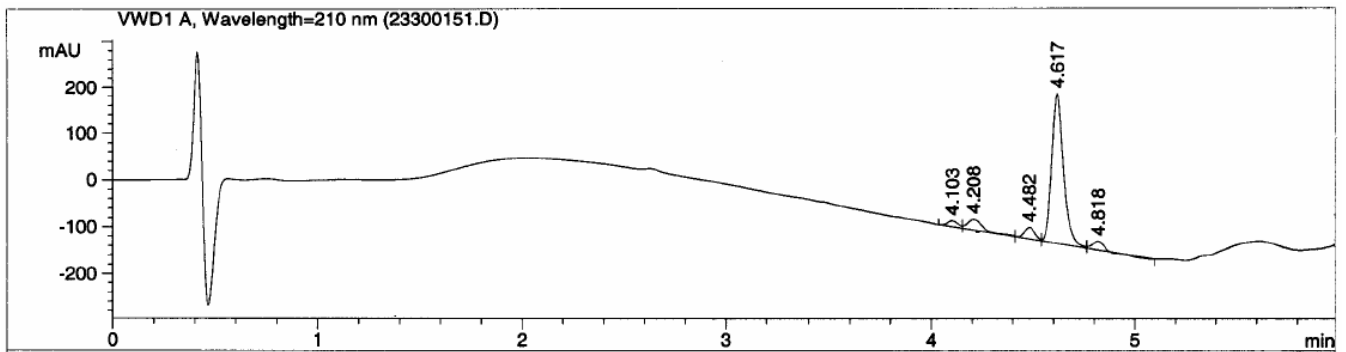
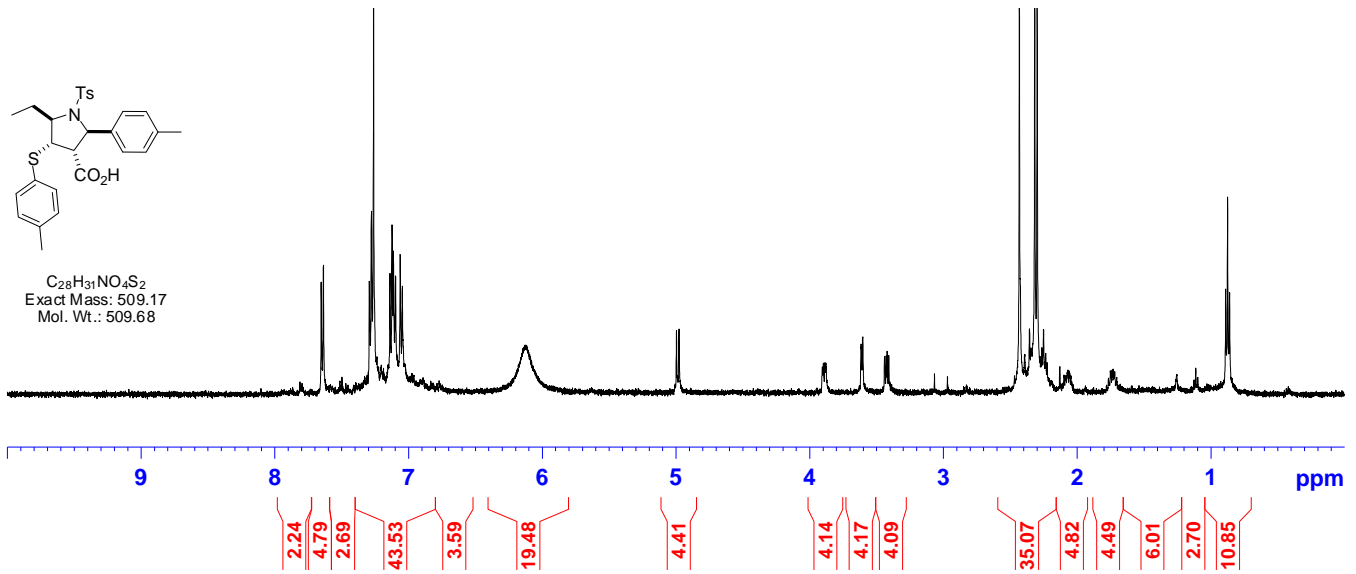
5-Ethyl-4-(phenylthio)-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E01)



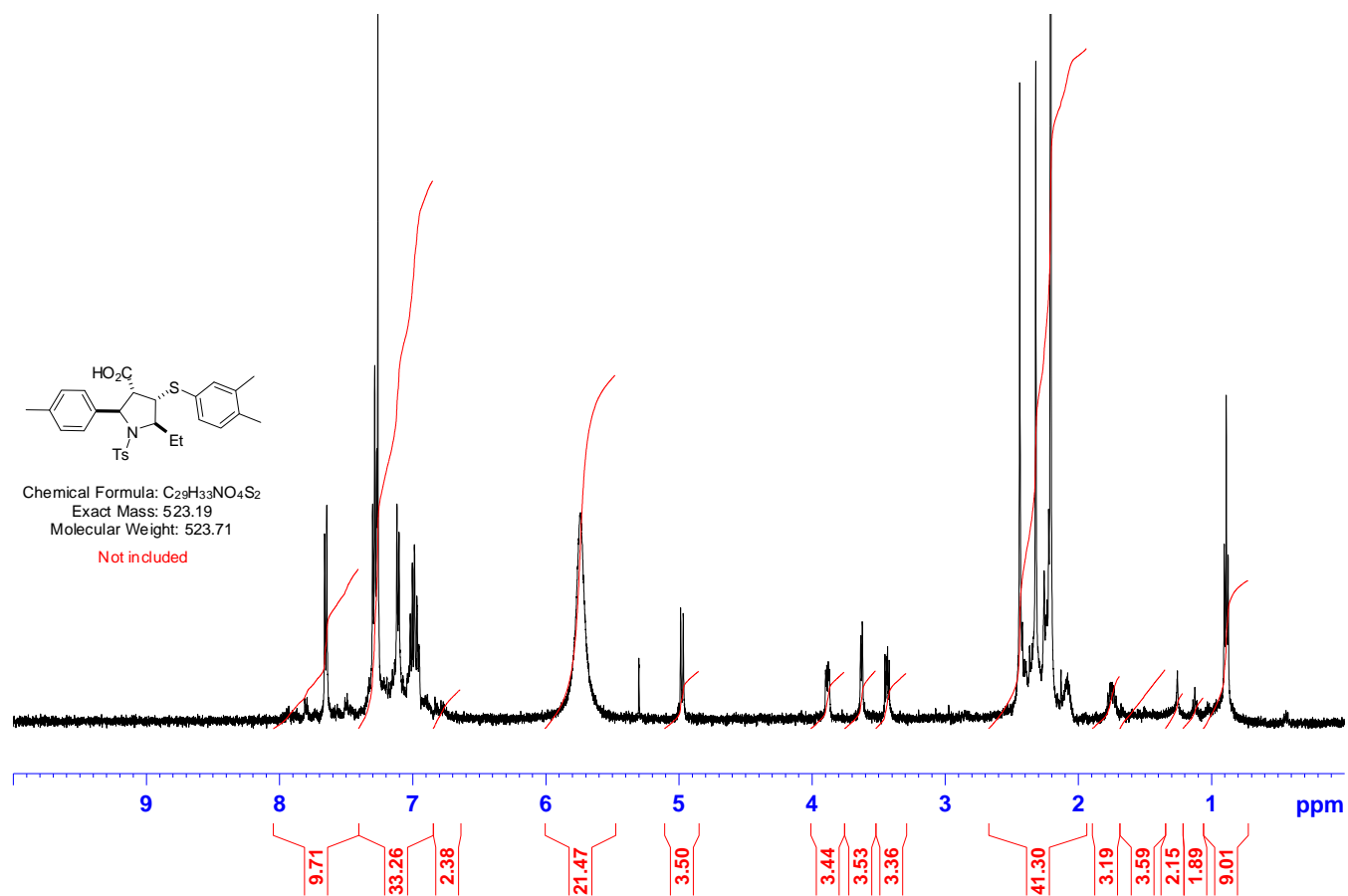
5-Ethyl-2-(p-tolyl)-4-(p-tolylthio)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E02)



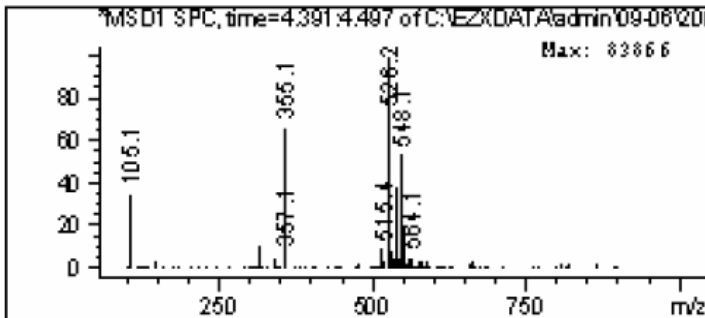
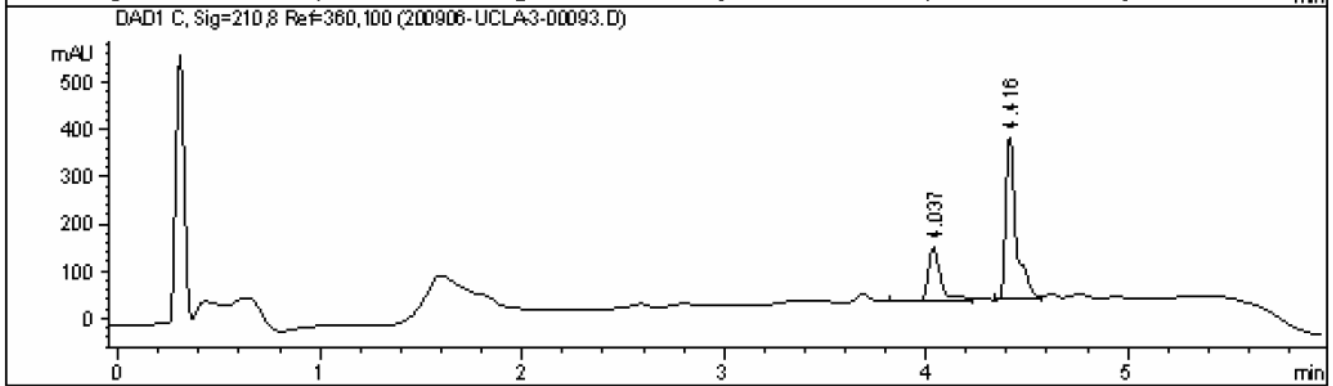
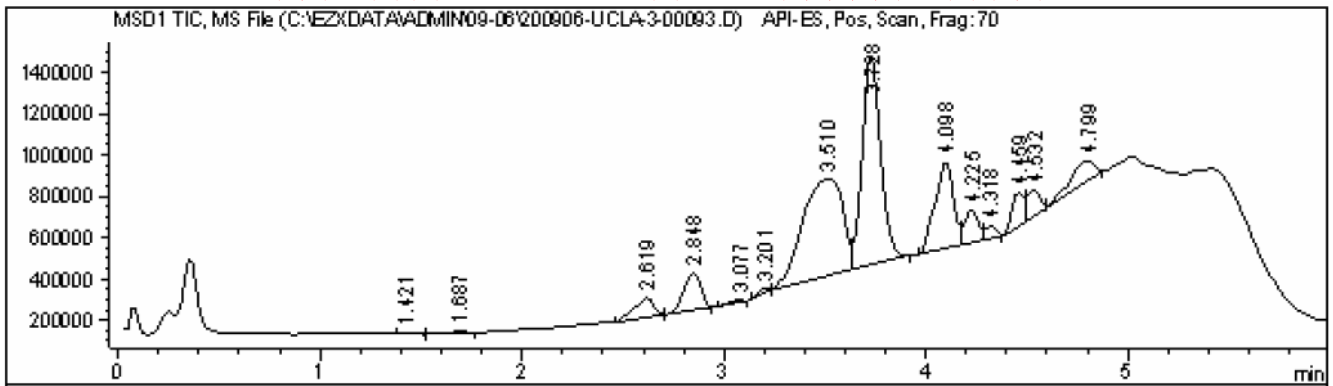
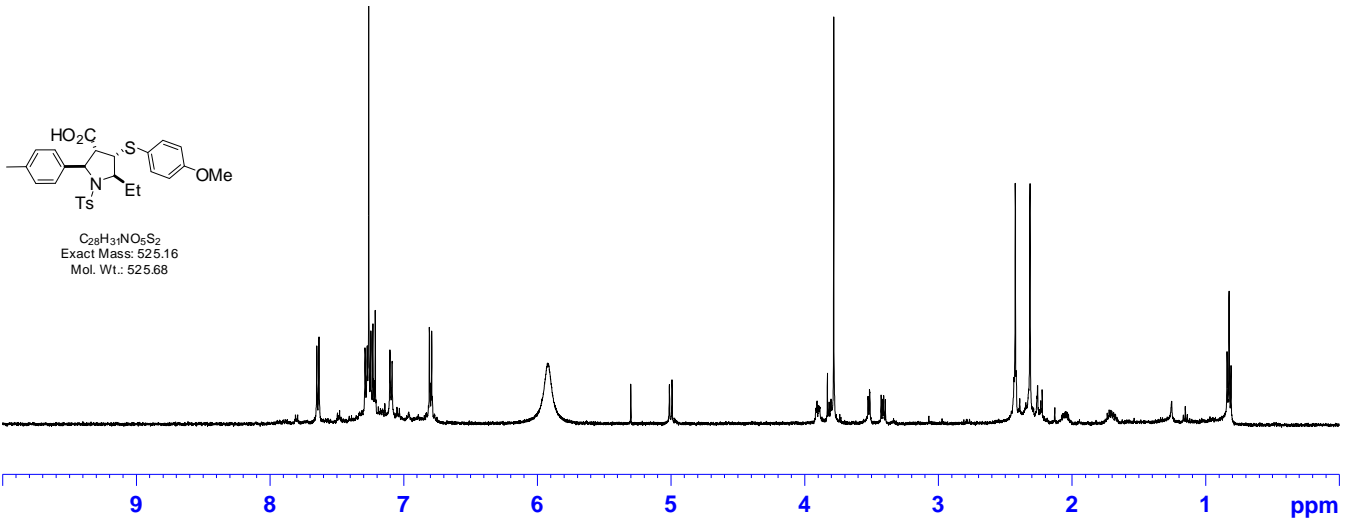
C₂₈H₃₁NO₄S₂
 Exact Mass: 509.17
 Mol. Wt.: 509.68



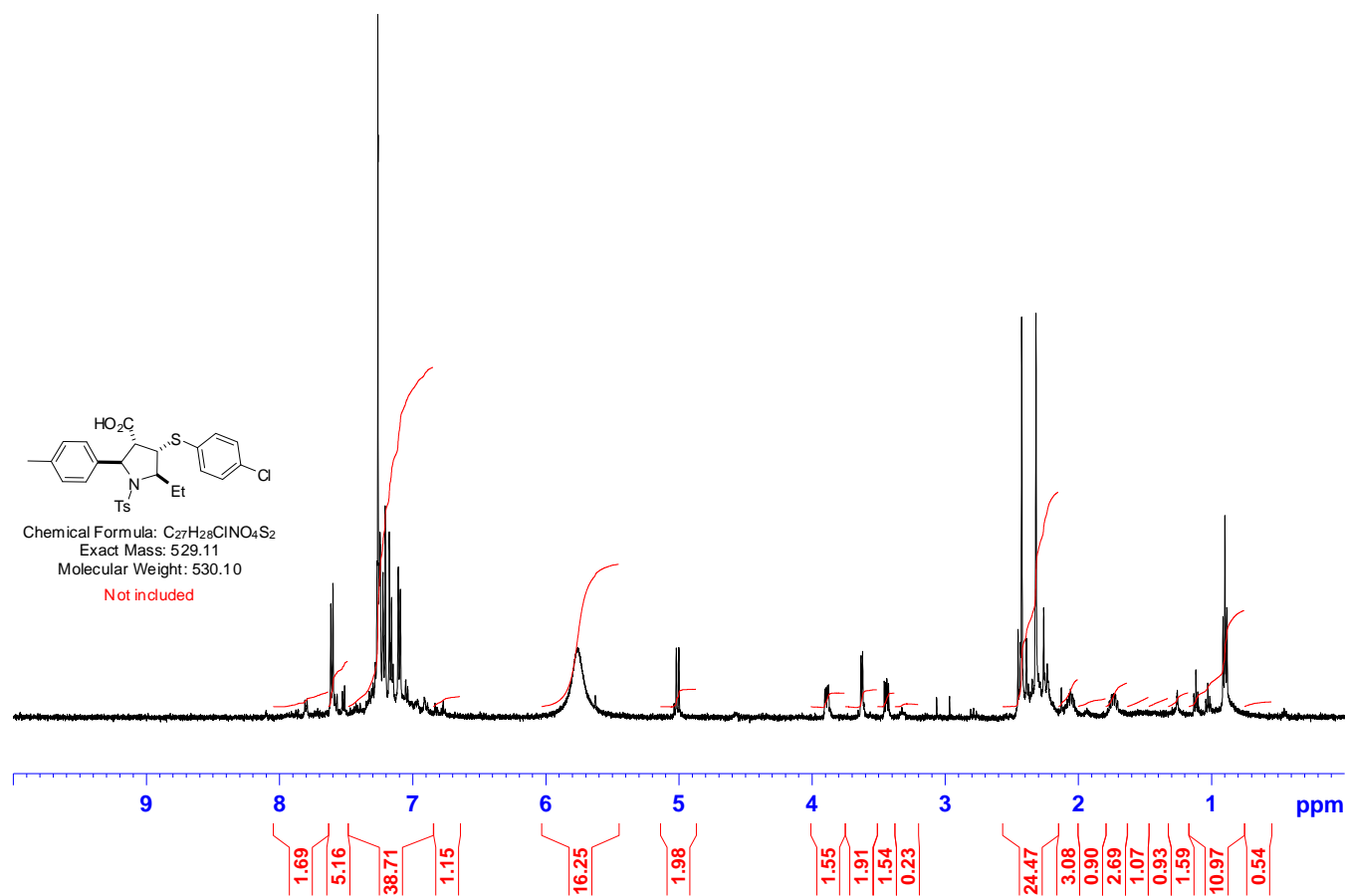
4-(3,4-Dimethylphenylthio)-5-ethyl-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E03)



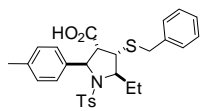
5-Ethyl-4-(4-methoxyphenylthio)-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E04)



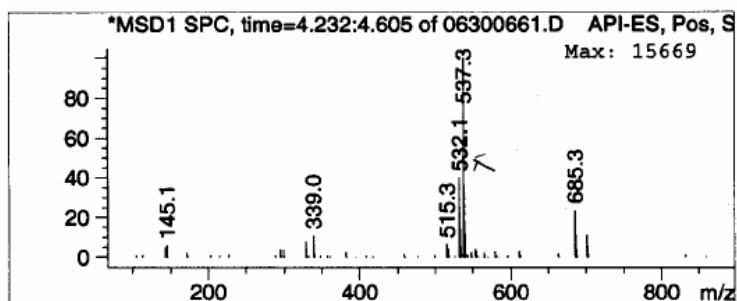
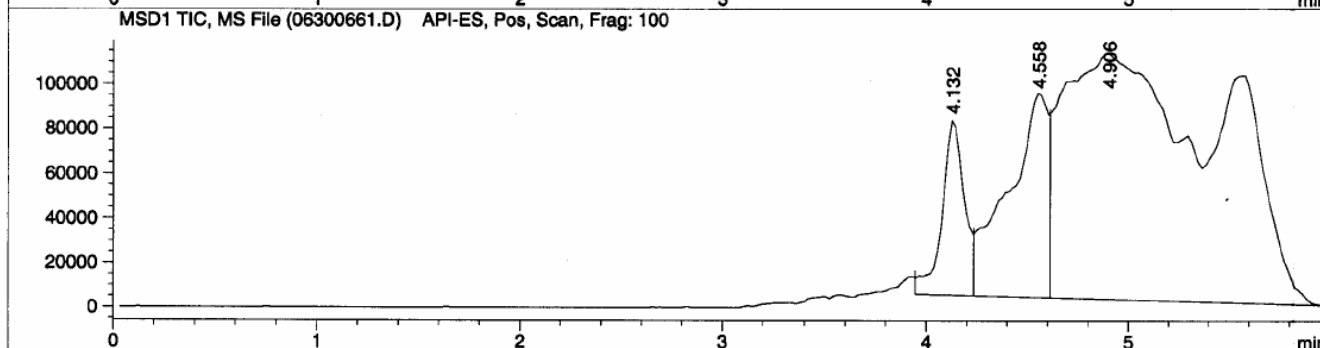
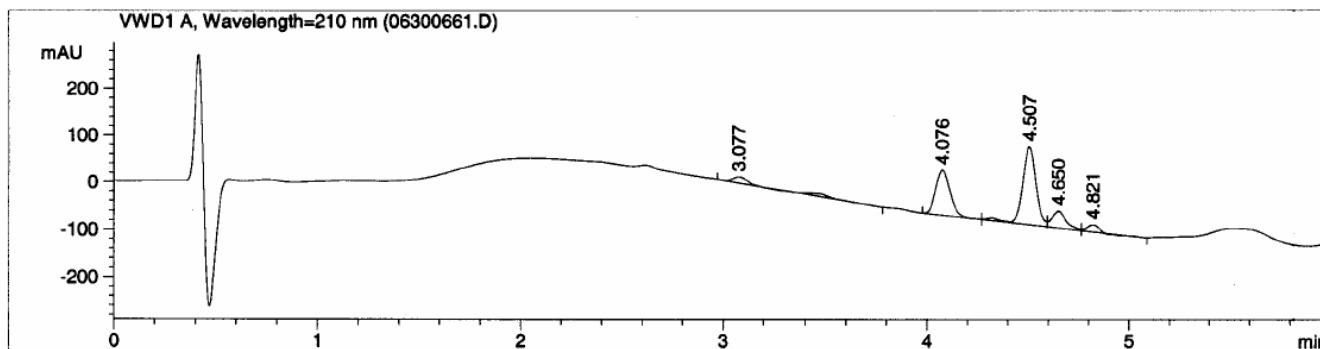
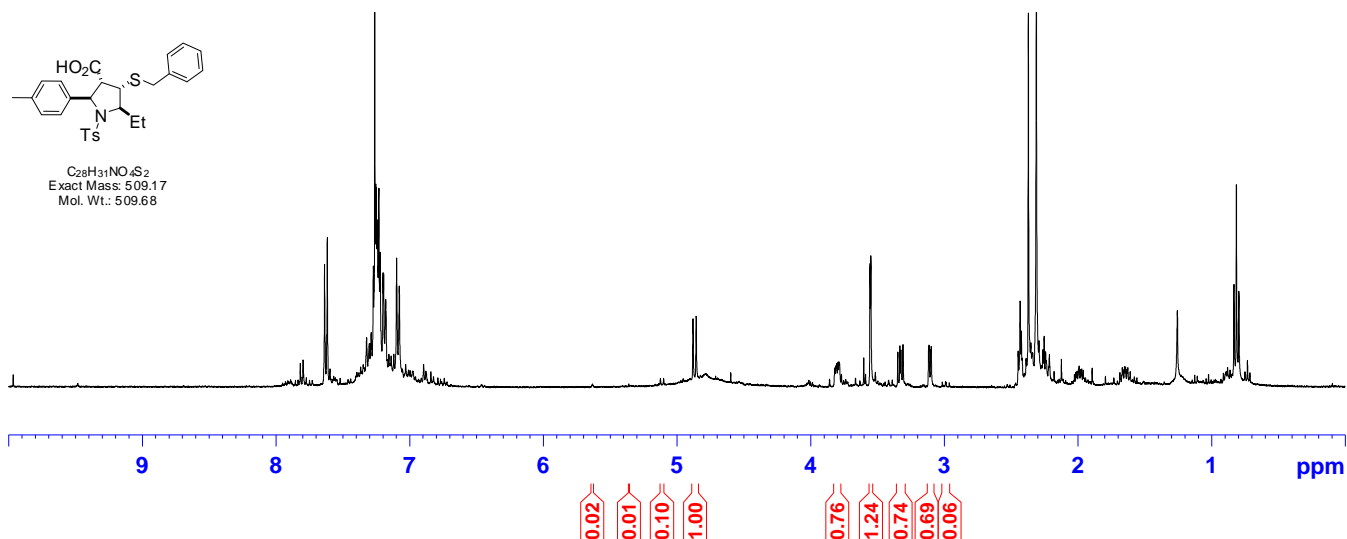
4-(4-Chlorophenylthio)-5-ethyl-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E05)



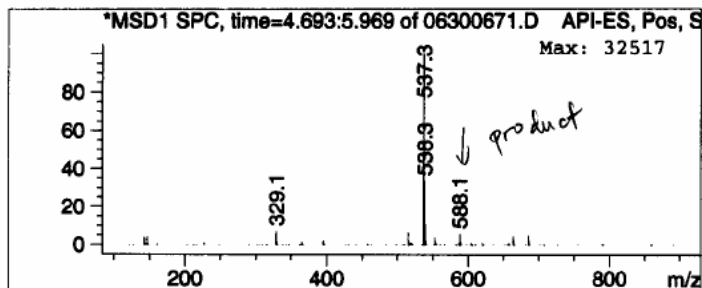
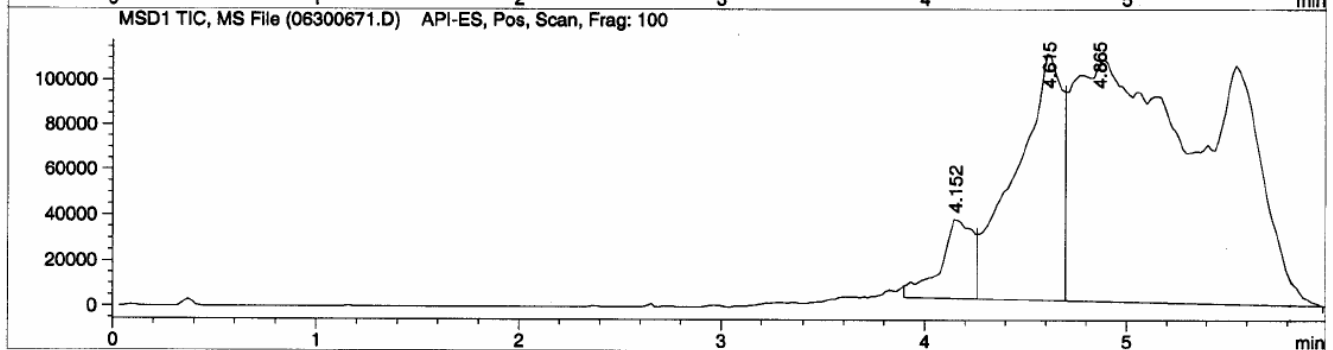
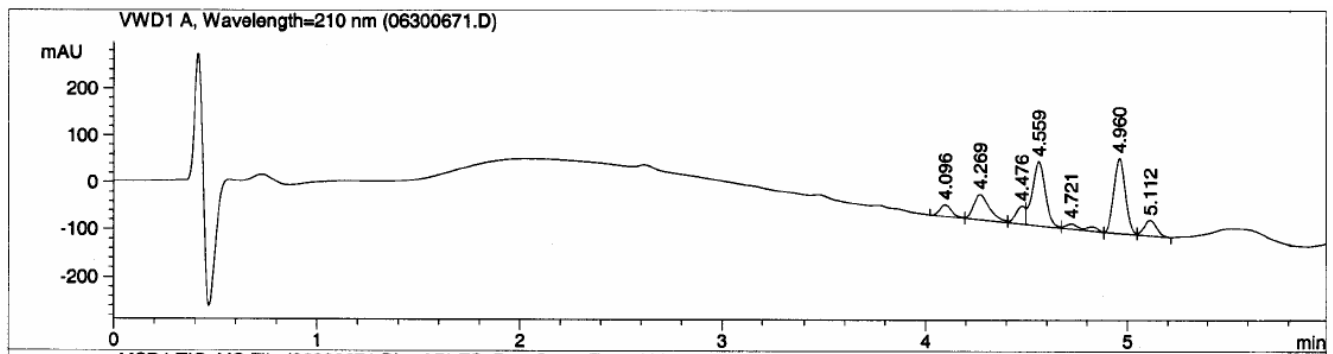
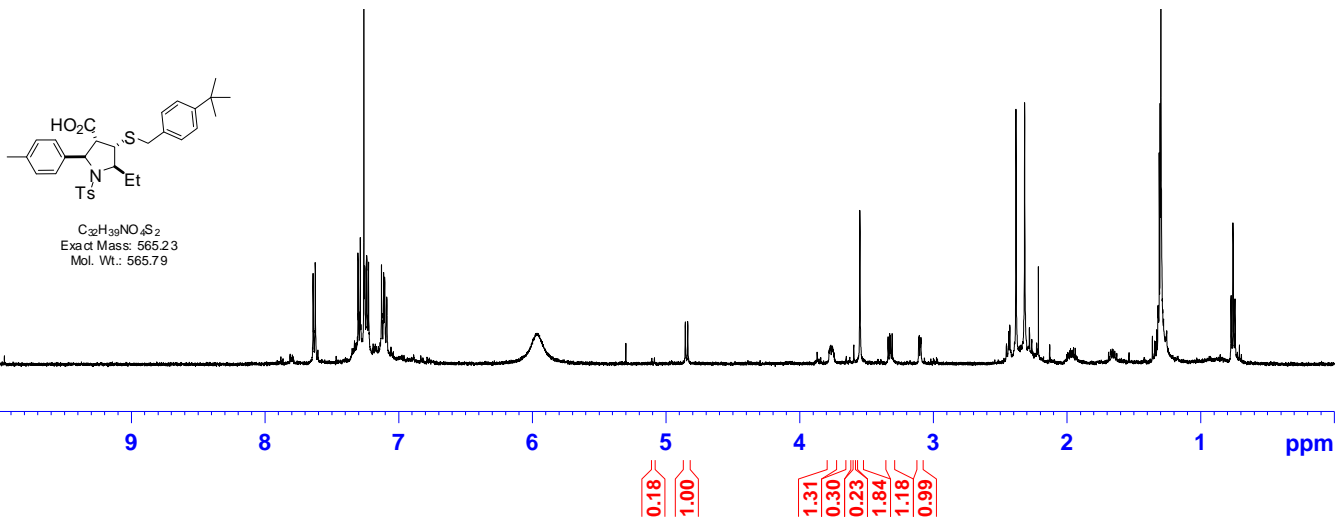
4-(Benzylthio)-5-ethyl-2-(p-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E06)



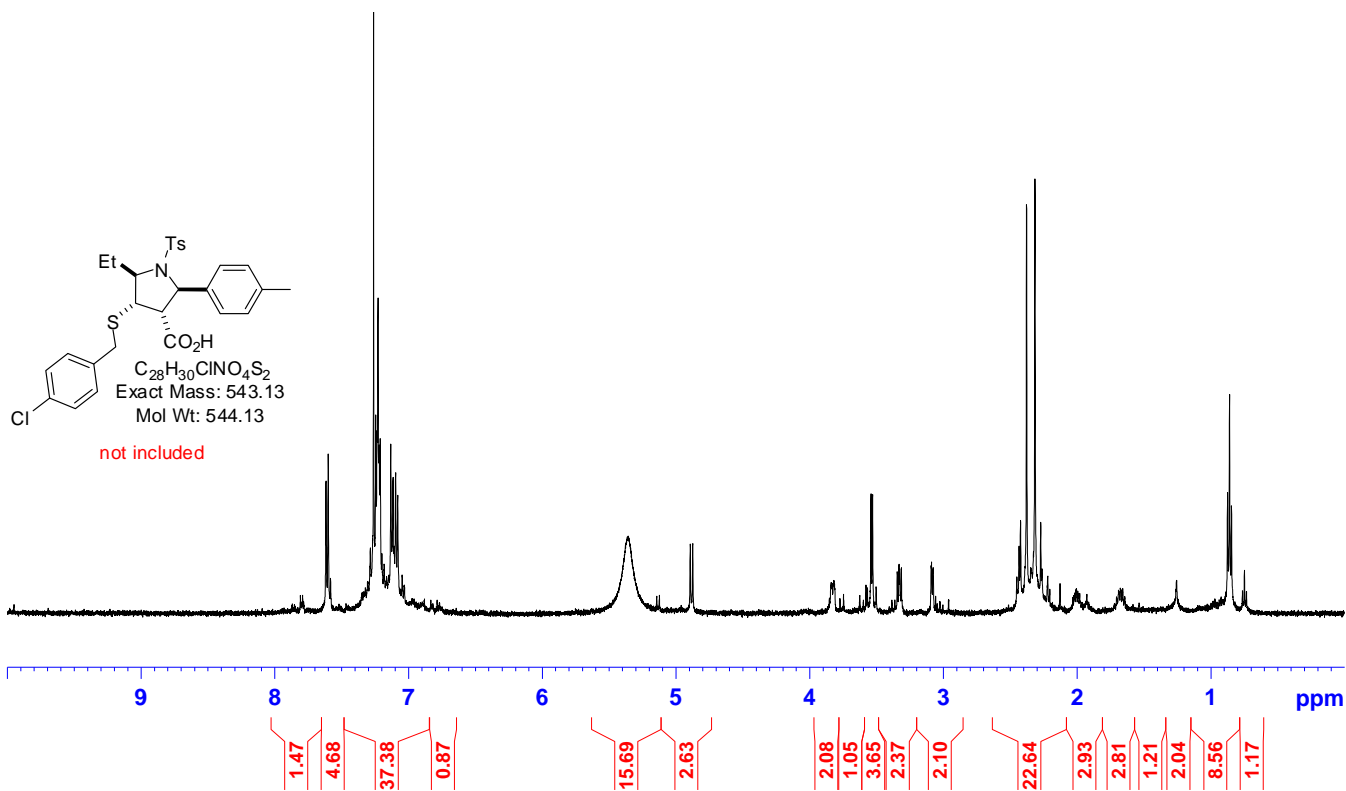
C₂₈H₃₁NO₄S₂
 Exact Mass: 509.17
 Mol. Wt.: 509.68



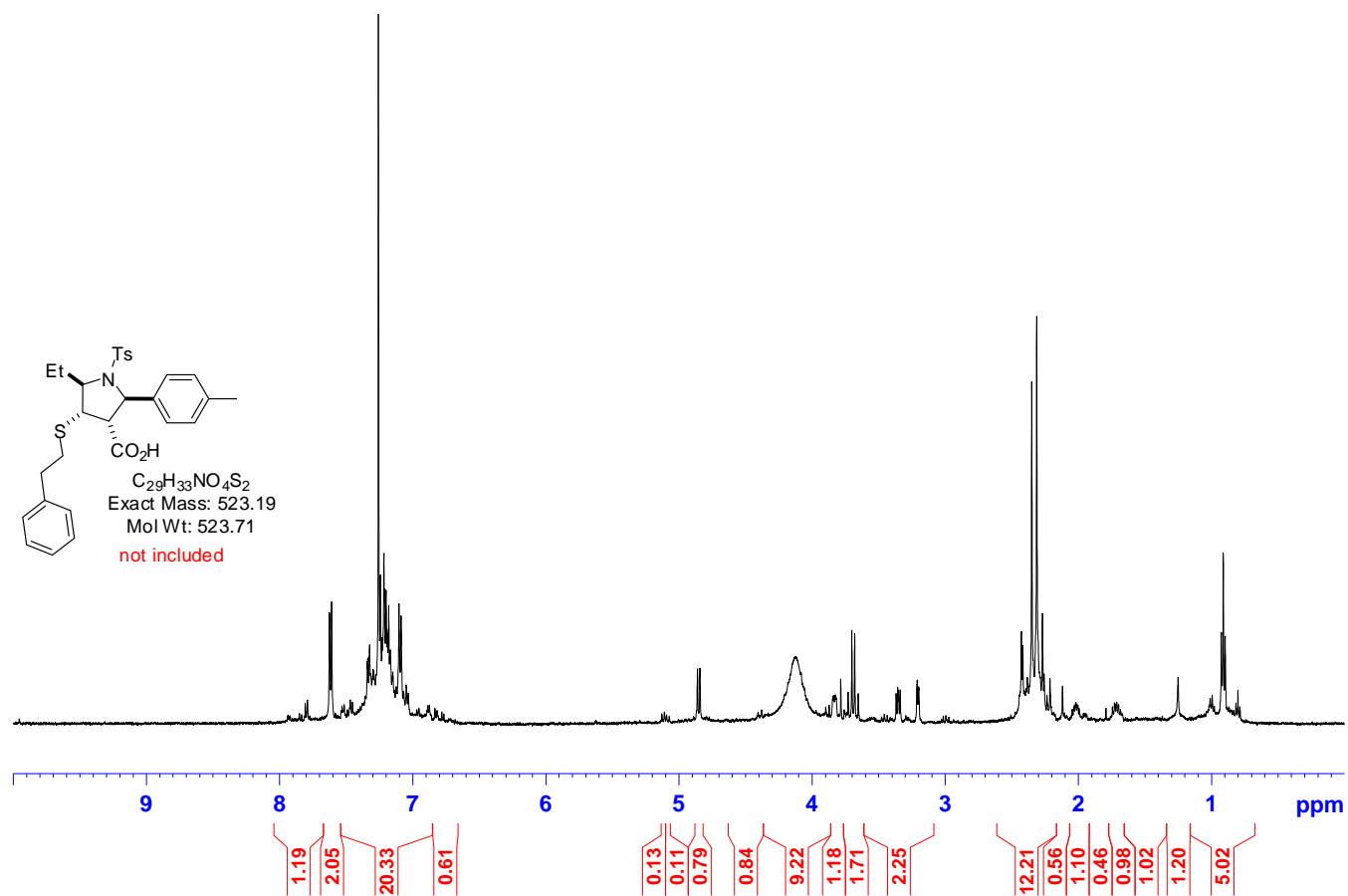
4-(4-Tert-butylbenzylthio)-5-ethyl-2-(p-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E07)



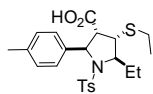
4-(4-Chlorobenzylthio)-5-ethyl-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E09)



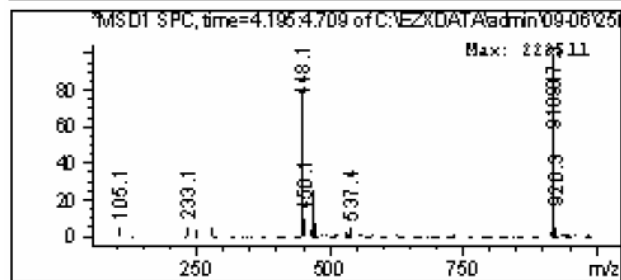
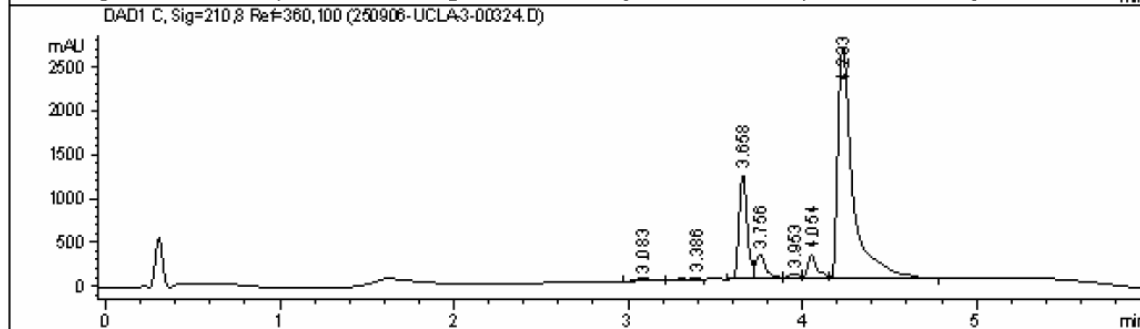
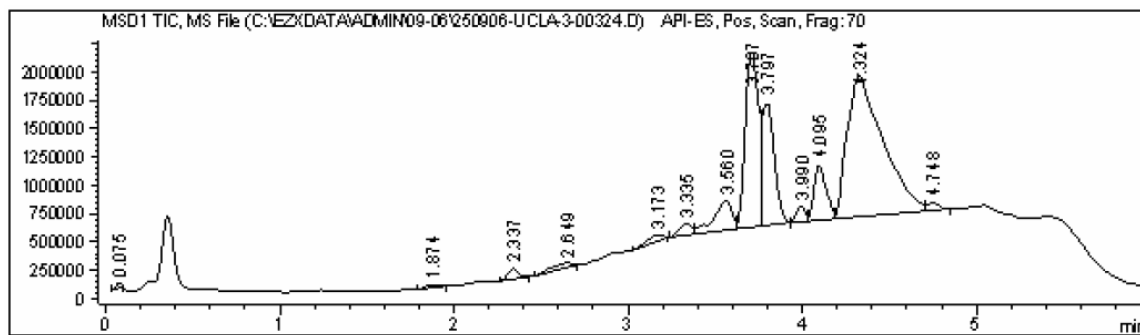
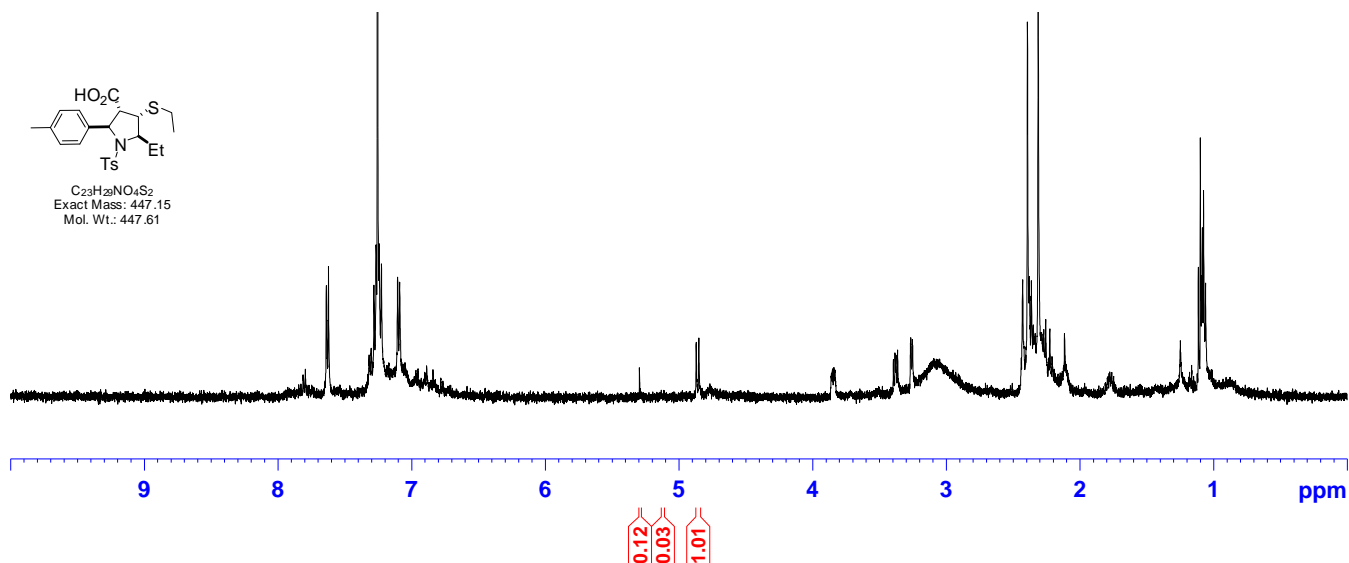
5-Ethyl-4-(phenethylthio)-2-p-tolyl-1-tosylpyrrolidine-3-carboxylic acid (A05C02E15)



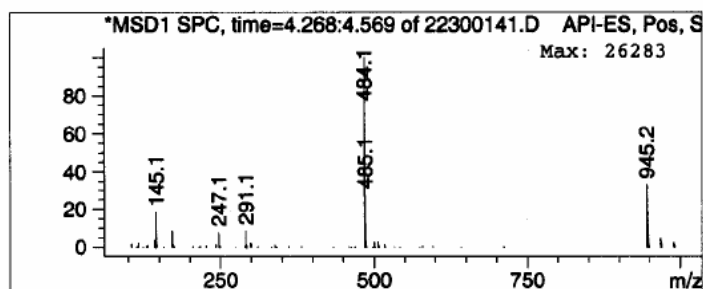
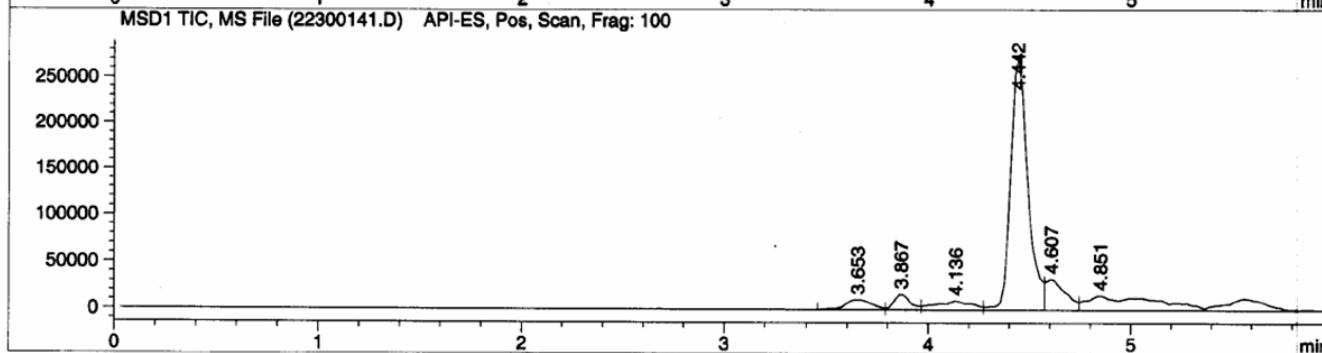
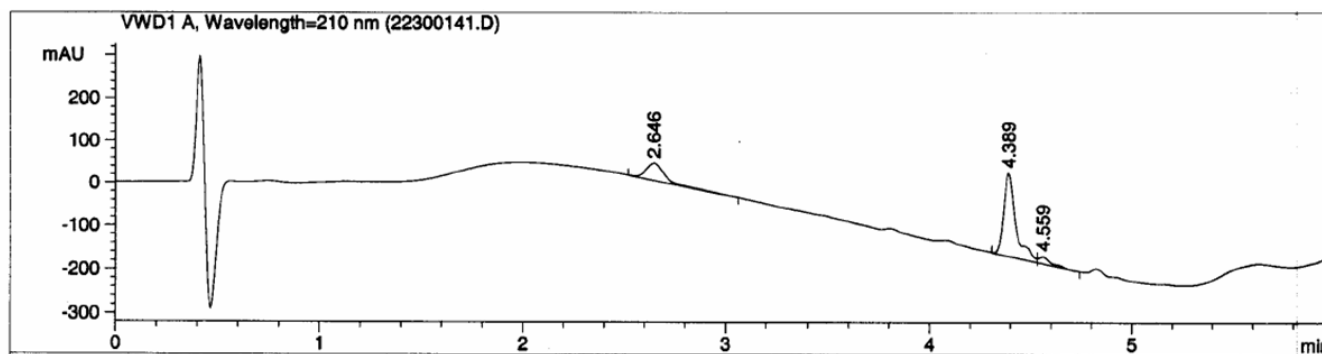
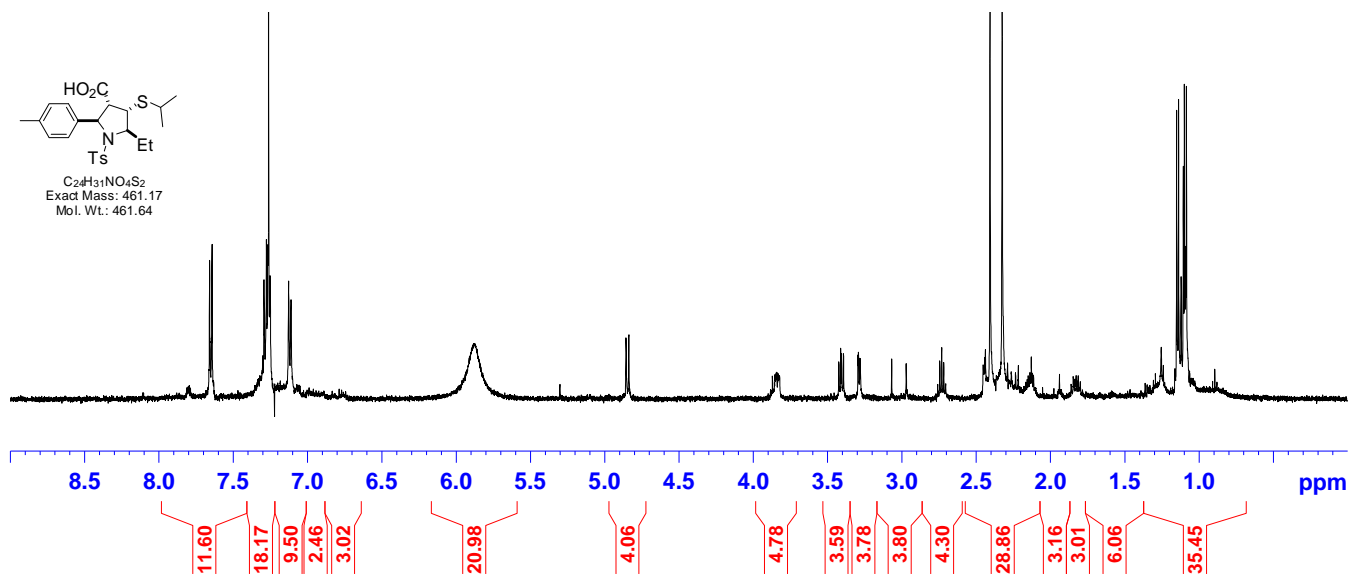
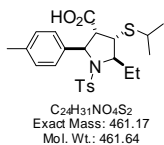
5-Ethyl-4-(ethylthio)-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E16)



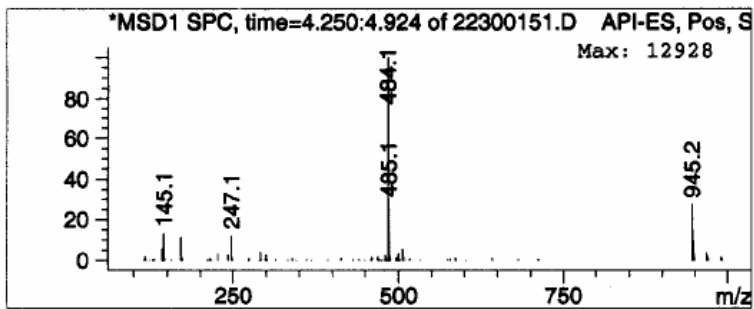
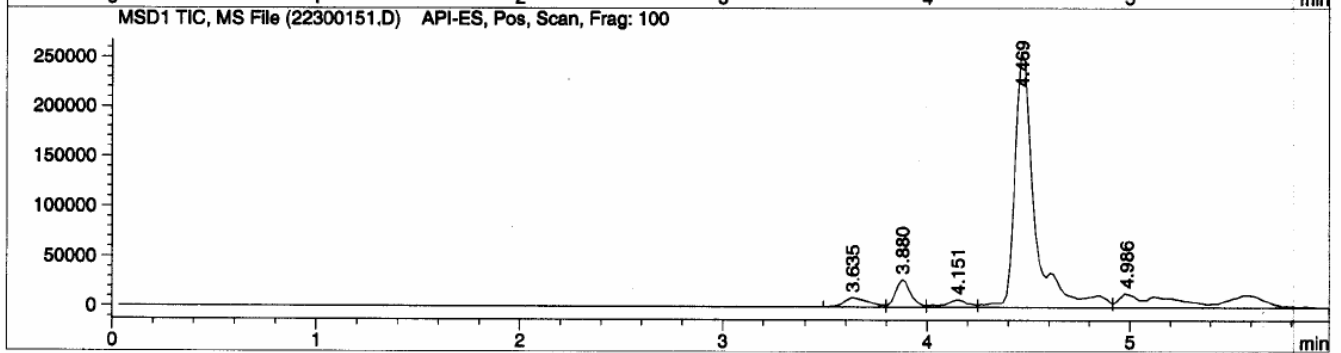
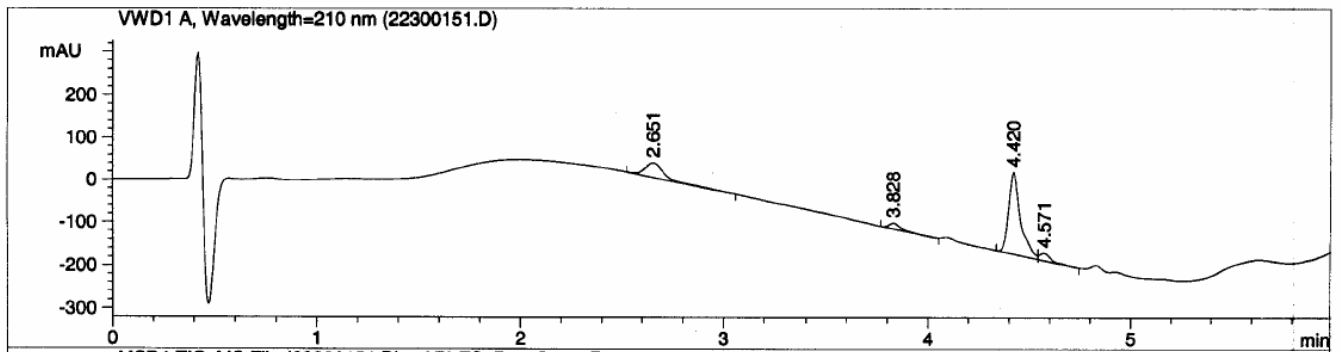
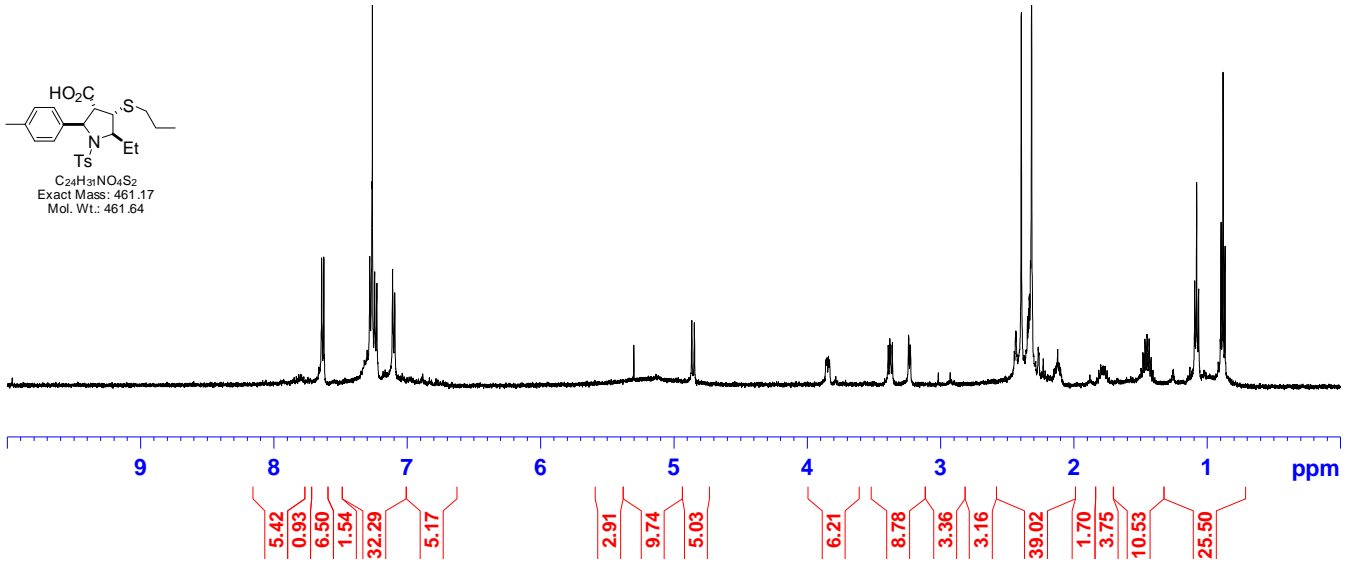
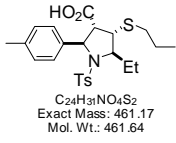
C₂₃H₂₉NO₄S₂
 Exact Mass: 447.15
 Mol. Wt.: 447.61



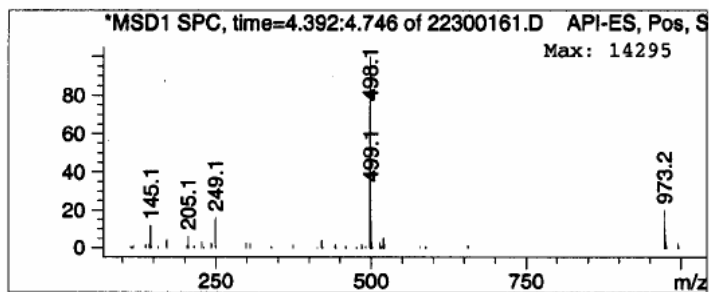
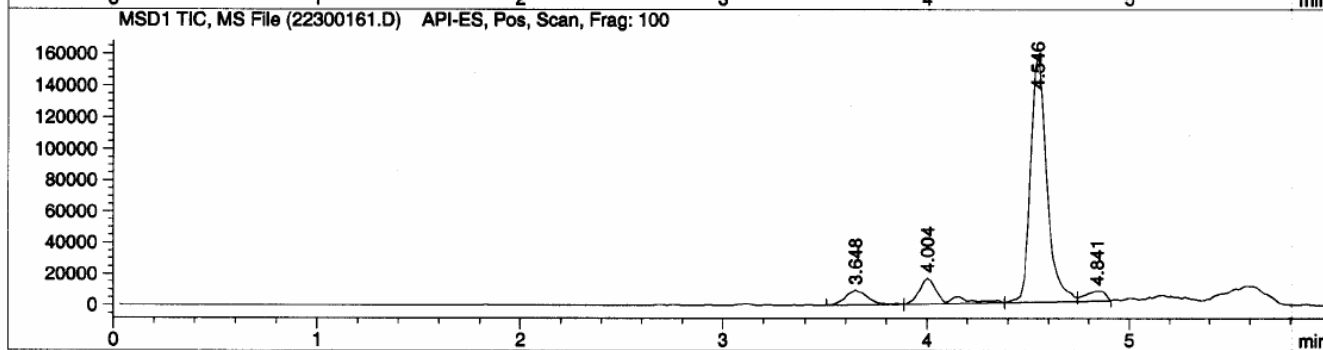
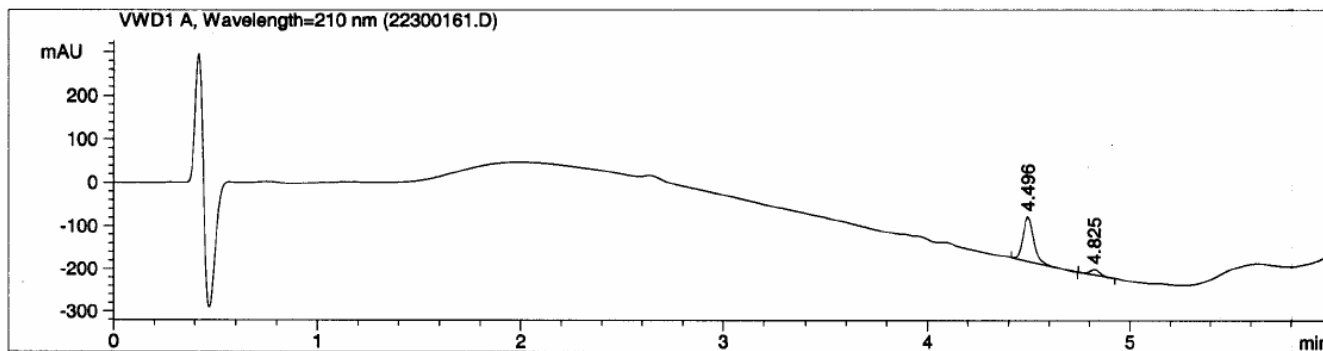
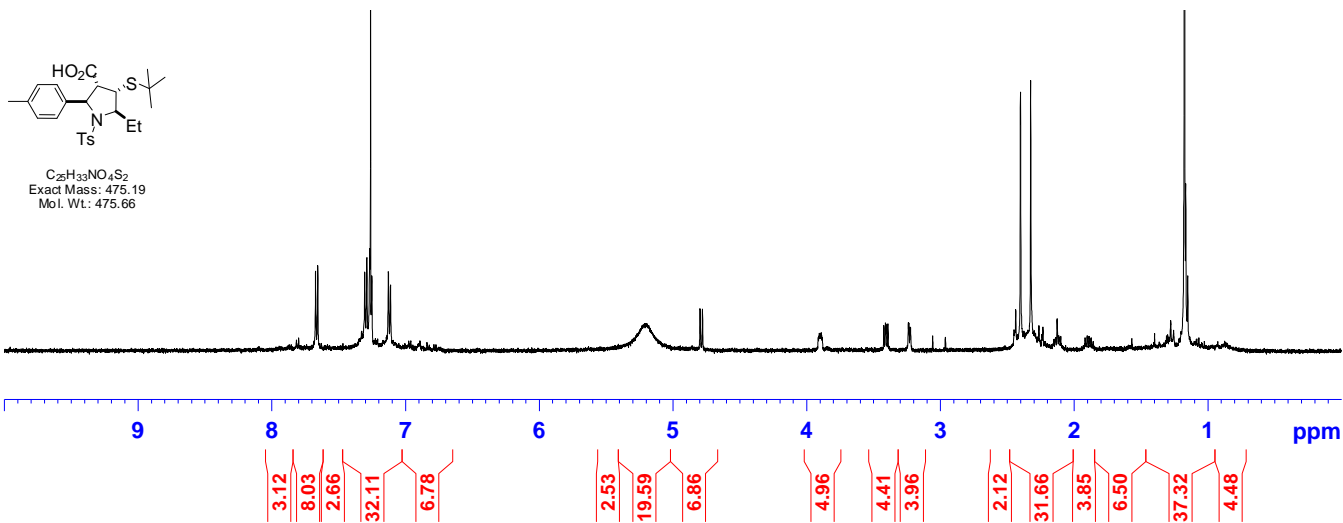
5-Ethyl-4-(isopropylthio)-2-(p-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E17)



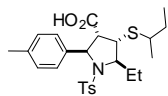
5-Ethyl-4-(propylthio)-2-(p-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E18)



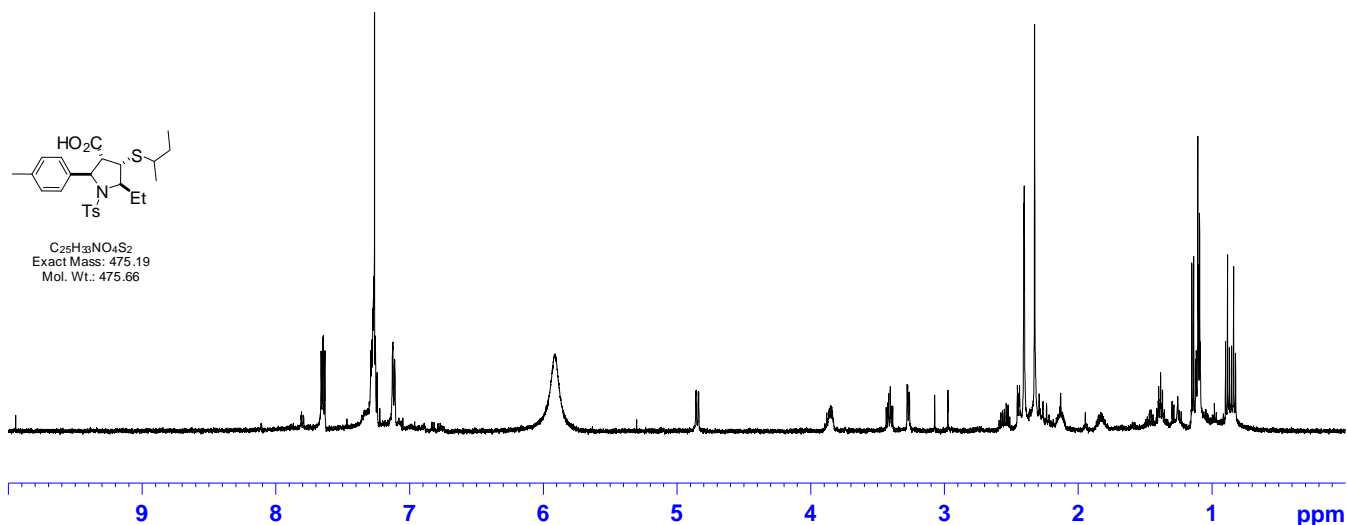
4-(*Tert*-butylthio)-5-ethyl-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E19)



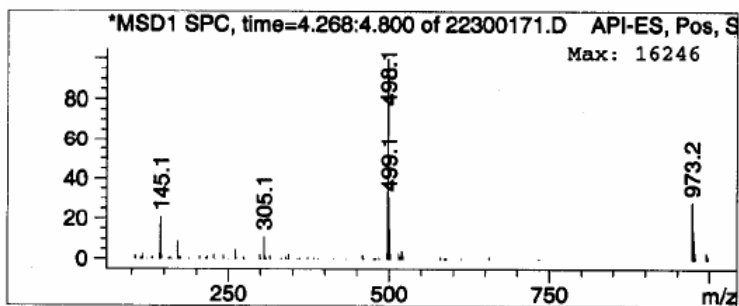
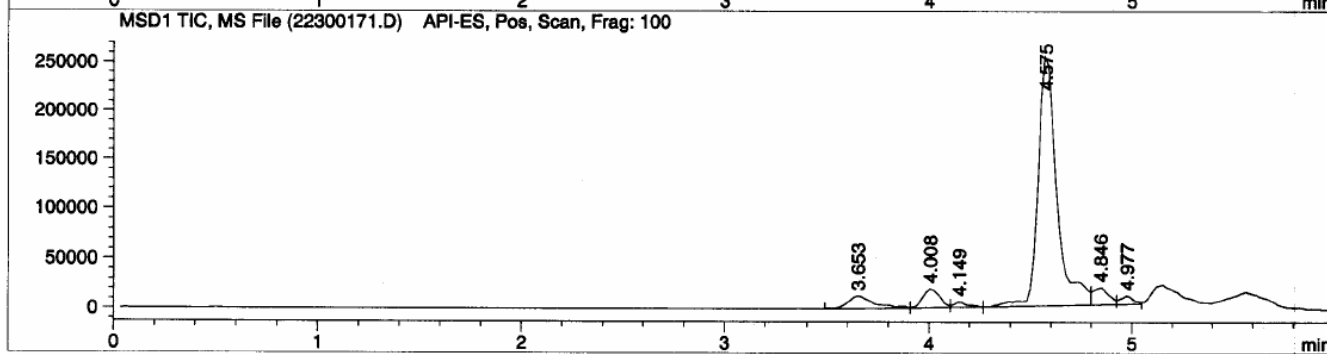
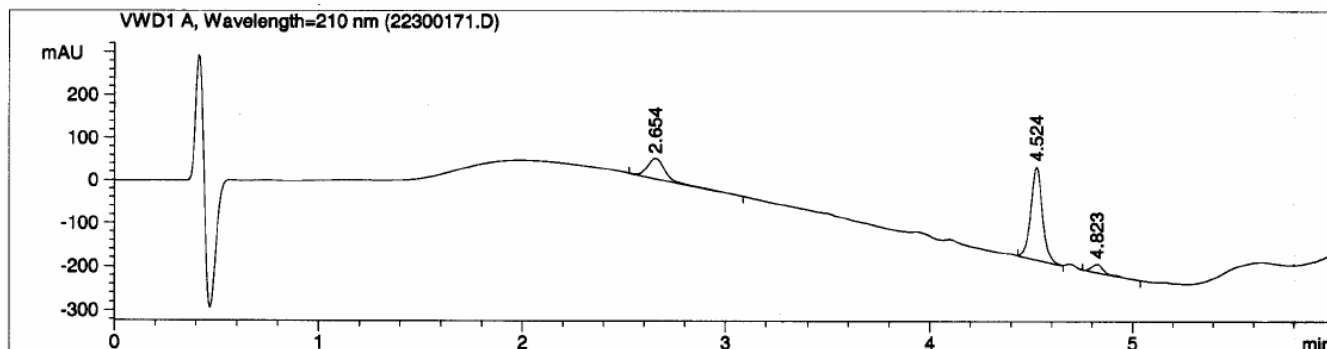
4-(*Sec*-butylthio)-5-ethyl-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E20)



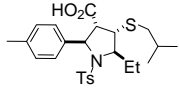
C₂₅H₃₂NO₄S₂
 Exact Mass: 475.19
 Mol. Wt.: 475.66



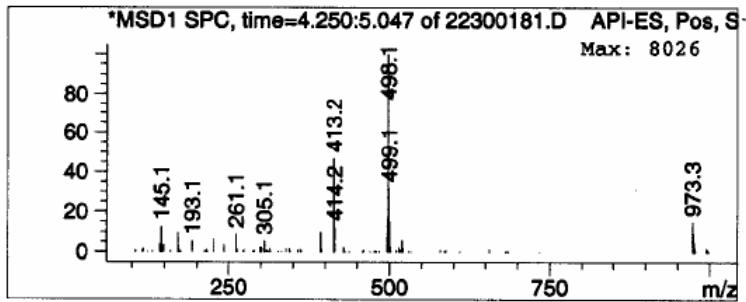
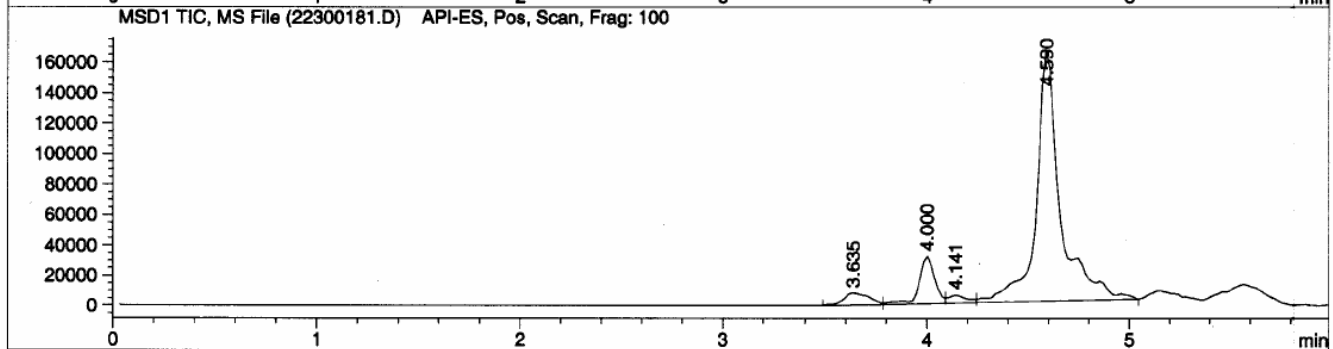
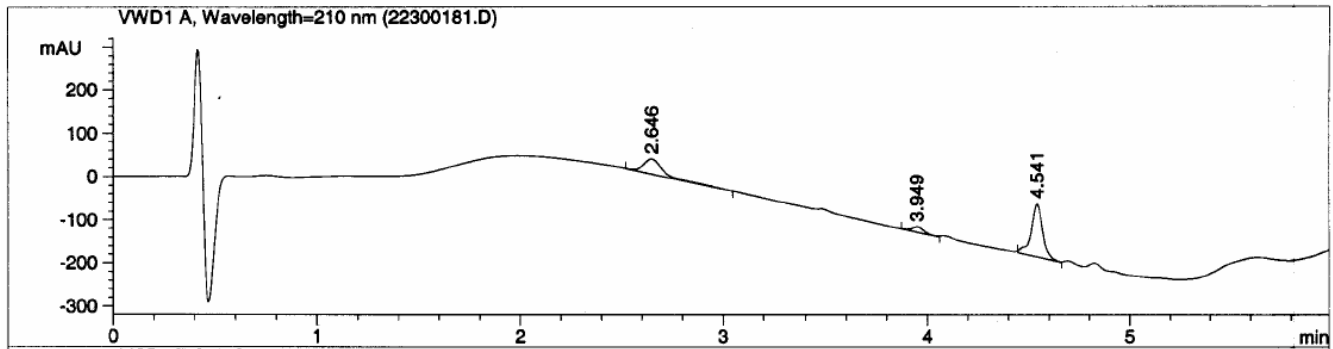
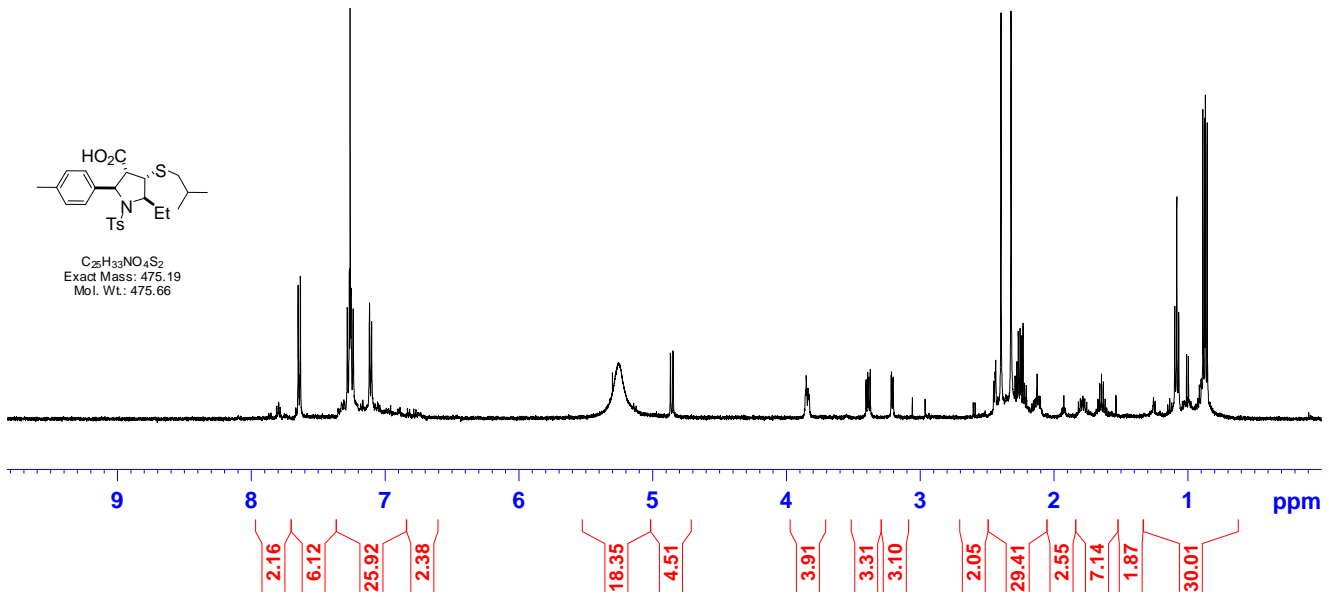
Integration values (from left to right): 5.11, 0.47, 5.35, 1.92, 27.64, 5.26, 2.87, 21.28, 3.80, 4.64, 3.73, 3.46, 1.46, 1.79, 3.88, 27.34, 1.68, 3.26, 3.42, 11.67, 28.38, 2.52



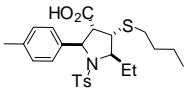
5-Ethyl-4-(isobutylthio)-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E21)



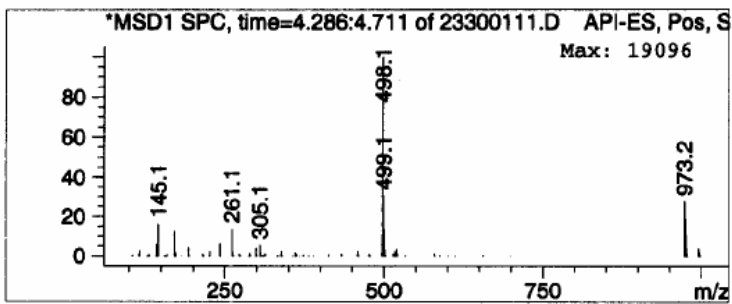
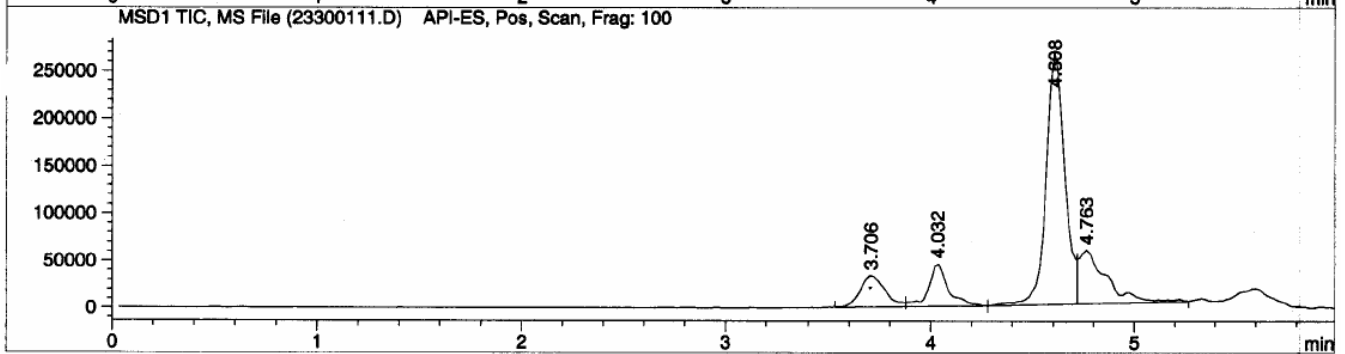
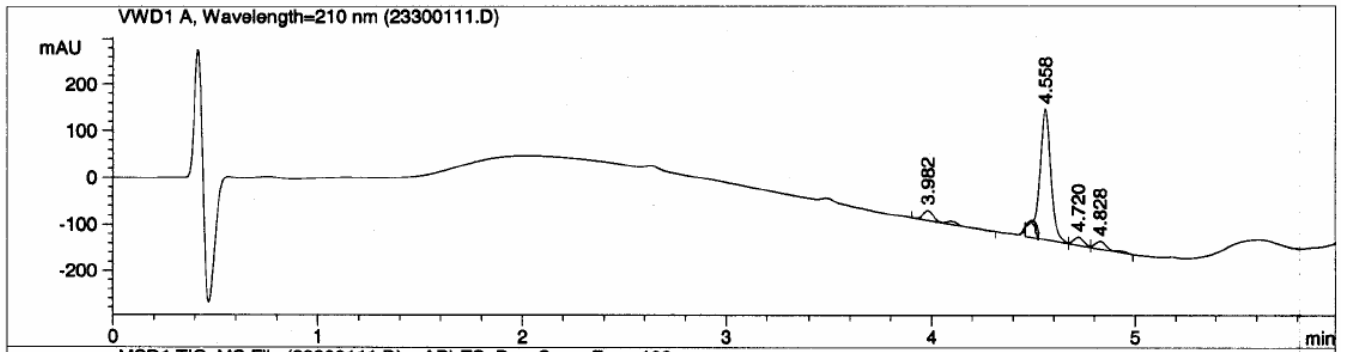
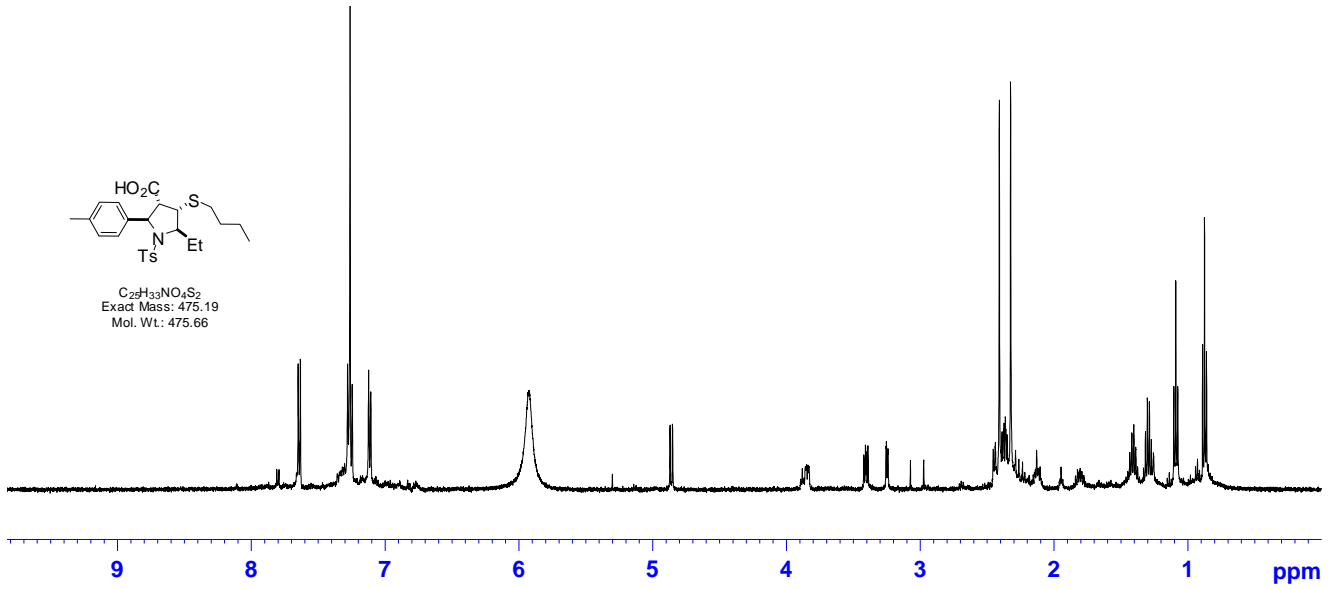
C₂₅H₃₃NO₄S₂
 Exact Mass: 475.19
 Mol. Wt.: 475.66



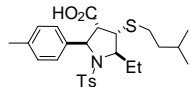
4-(Butylthio)-5-ethyl-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E22)



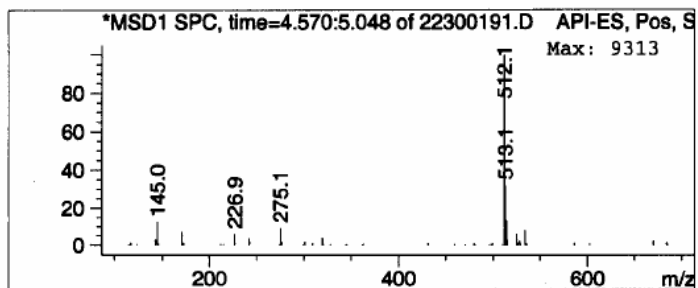
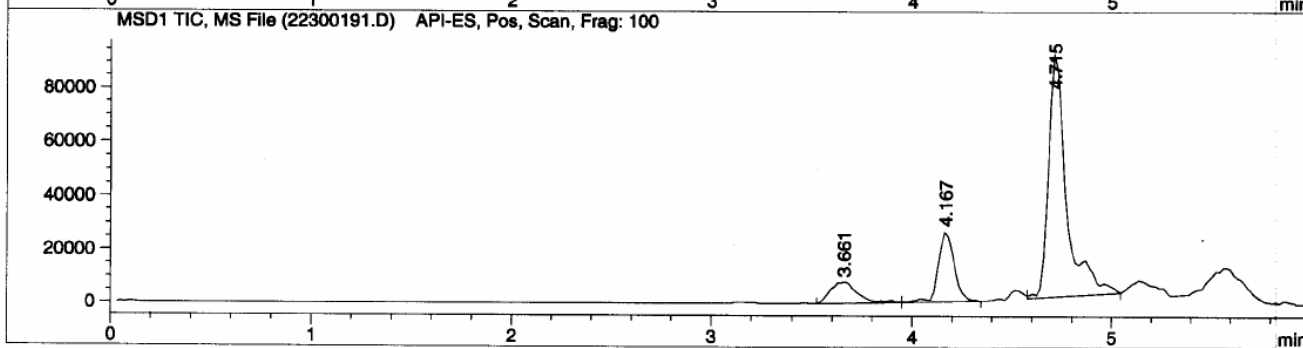
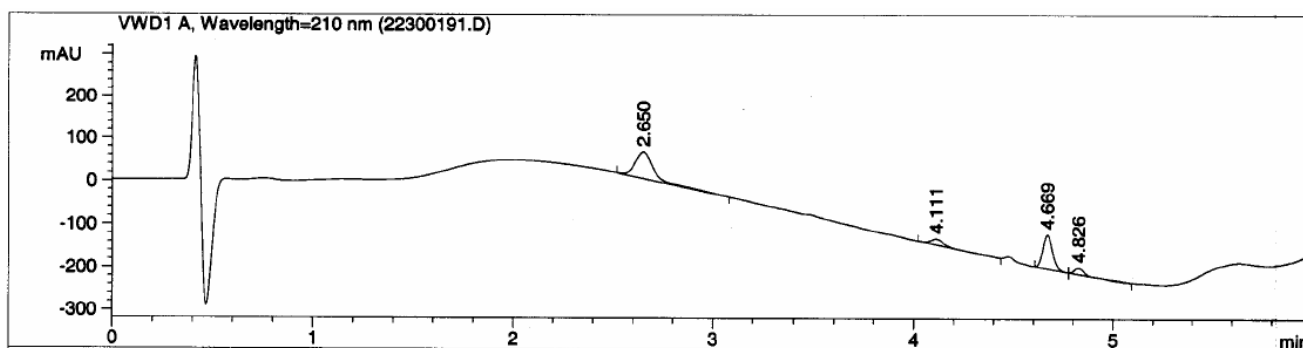
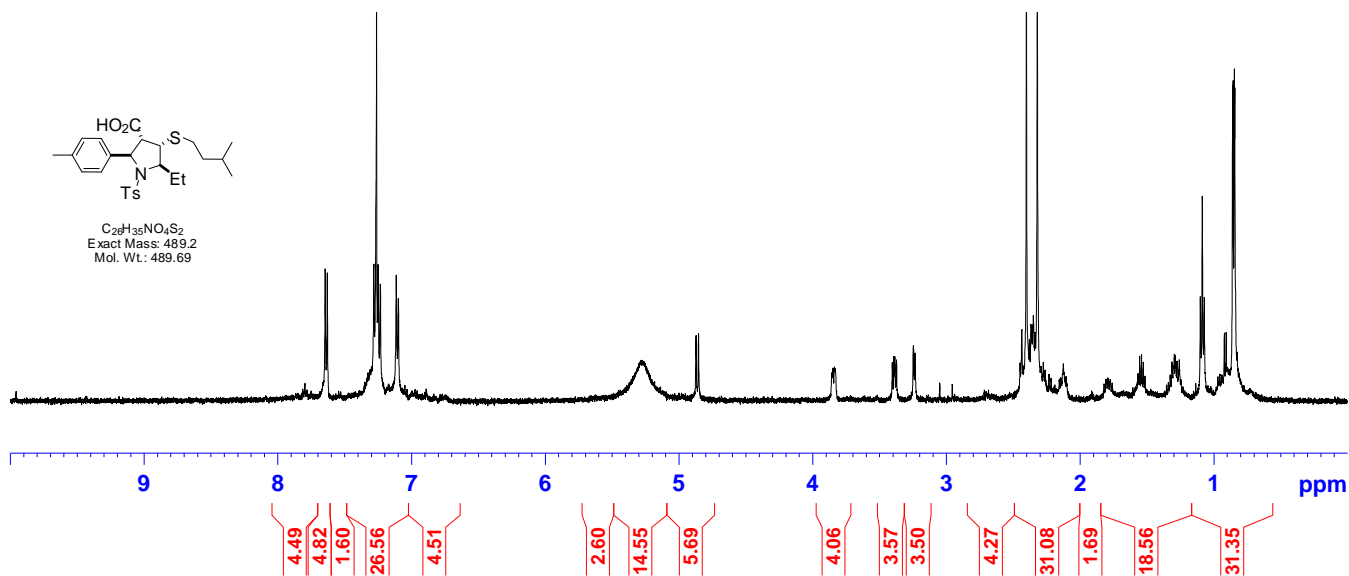
C₂₉H₃₃NO₄S₂
 Exact Mass: 475.19
 Mol. Wt.: 475.66



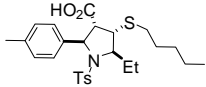
5-Ethyl-4-(isopentylthio)-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E23)



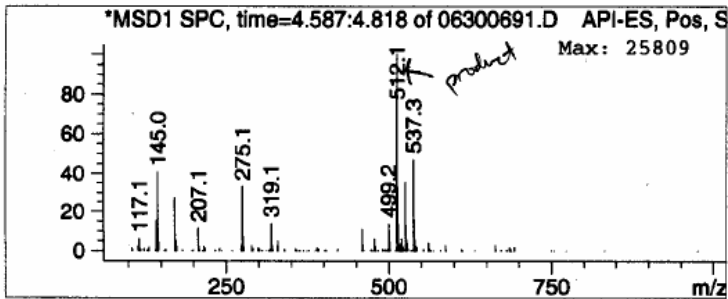
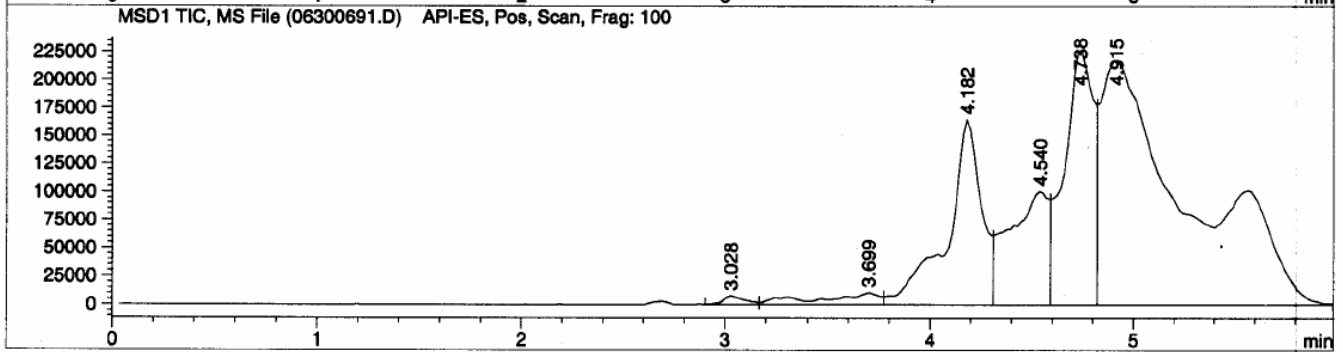
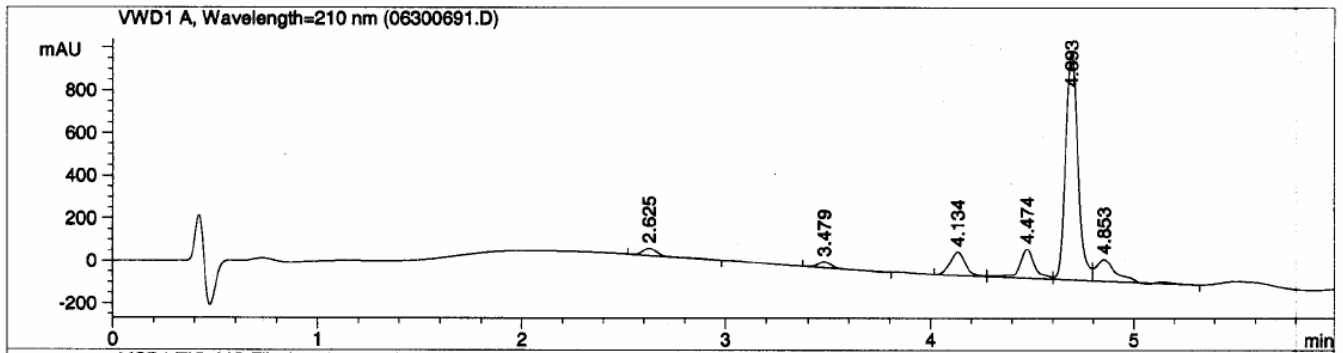
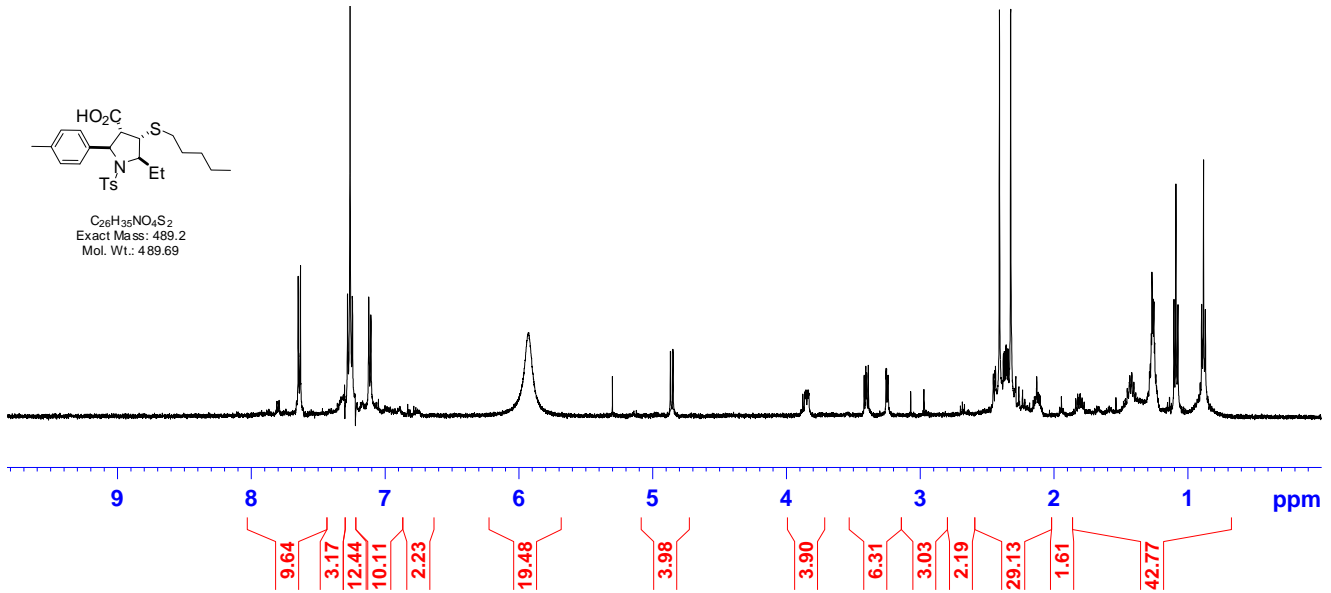
C₂₂H₃₅NO₄S₂
Exact Mass: 489.2
Mol. Wt.: 489.69



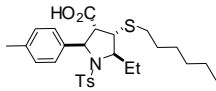
5-Ethyl-4-(pentylthio)-2-(p-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E24)



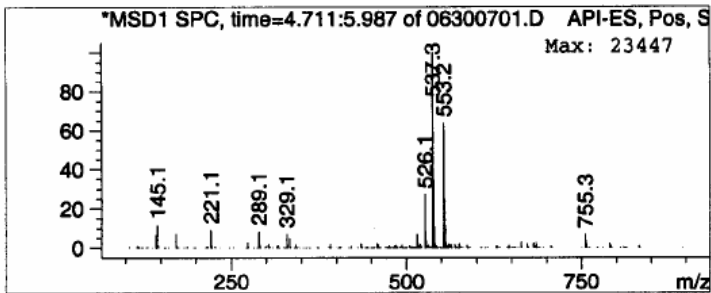
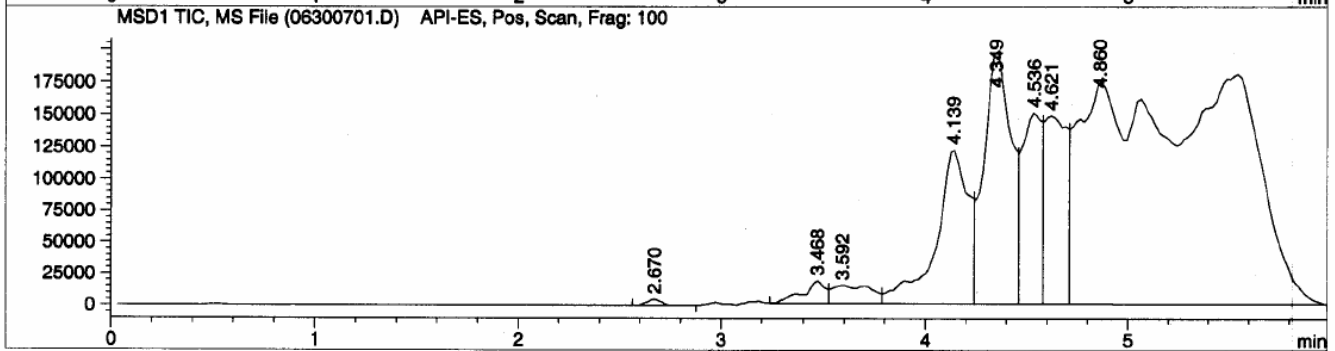
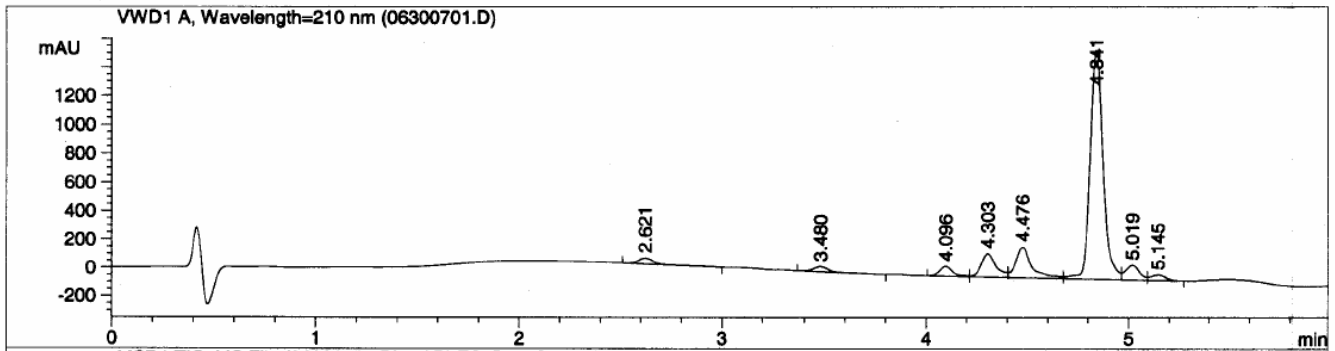
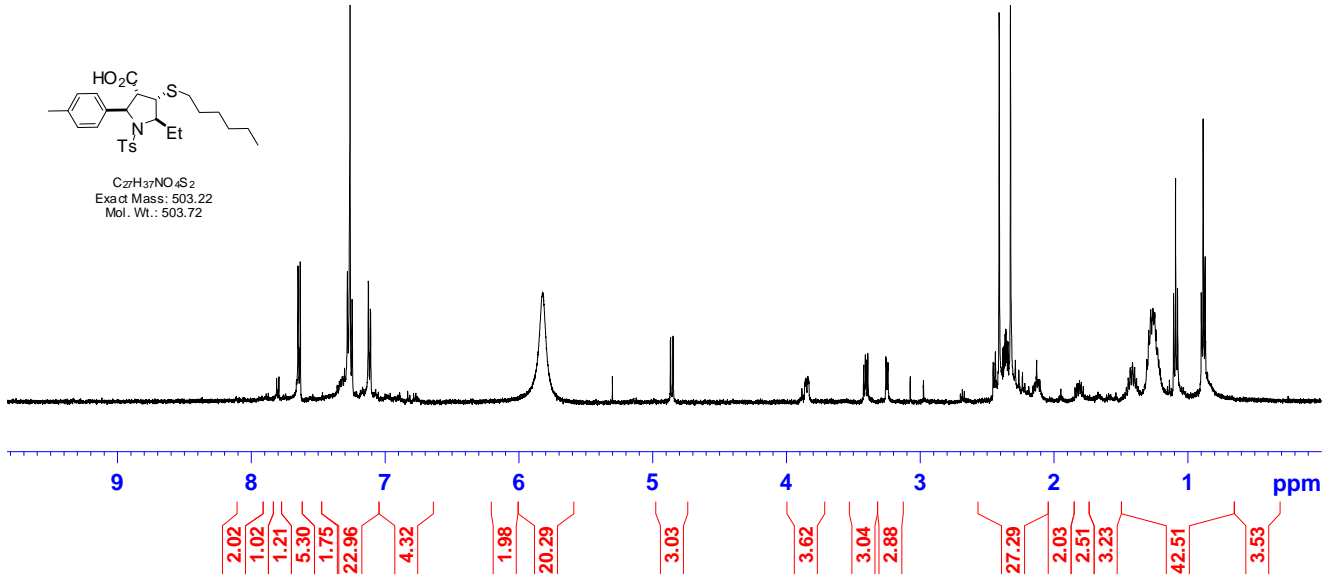
C₂₆H₃₅NO₄S₂
 Exact Mass: 489.2
 Mol. Wt.: 489.69



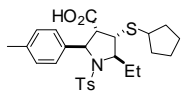
5-Ethyl-4-(hexylthio)-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E25)



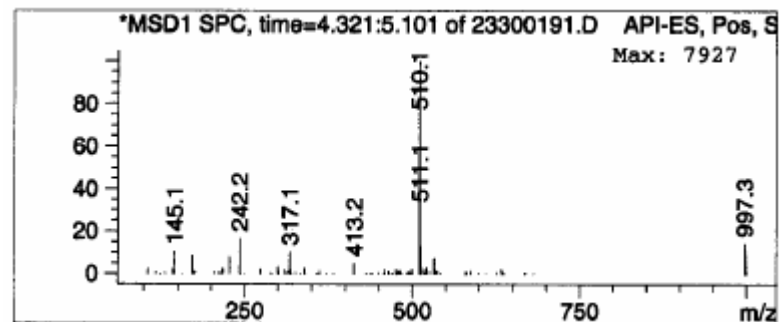
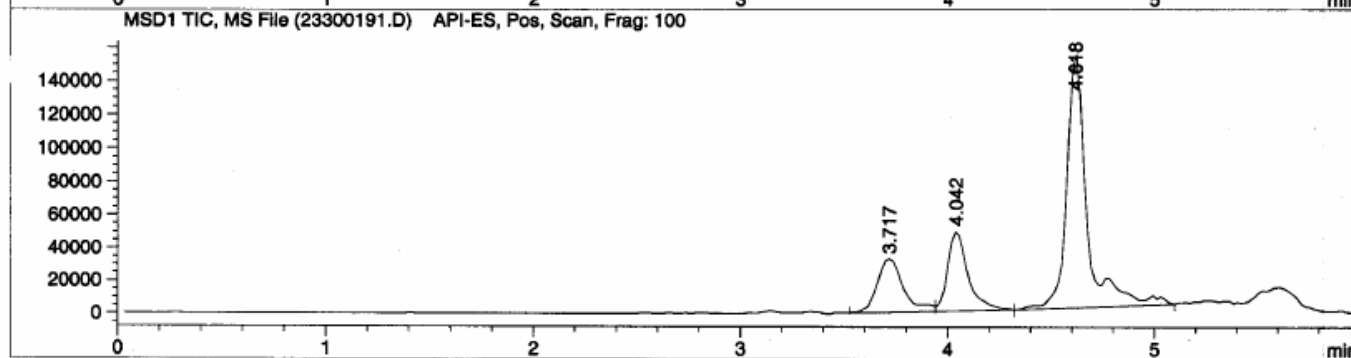
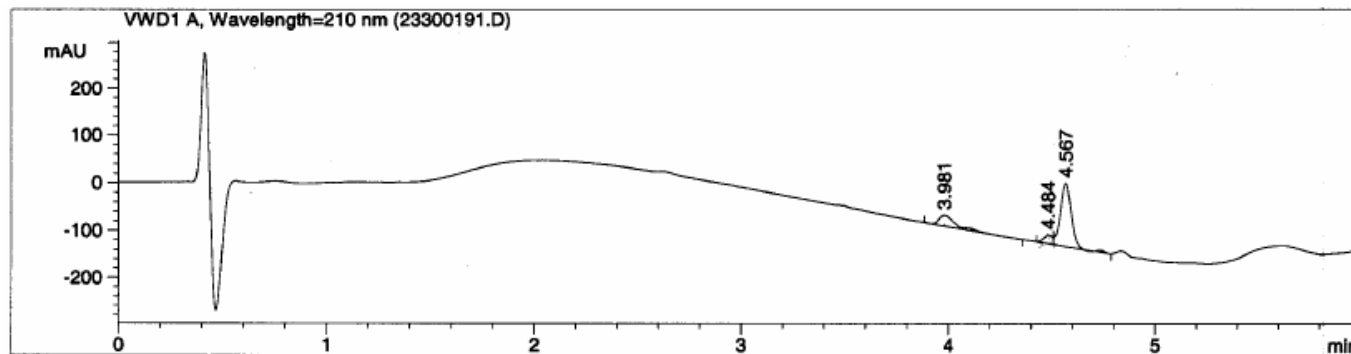
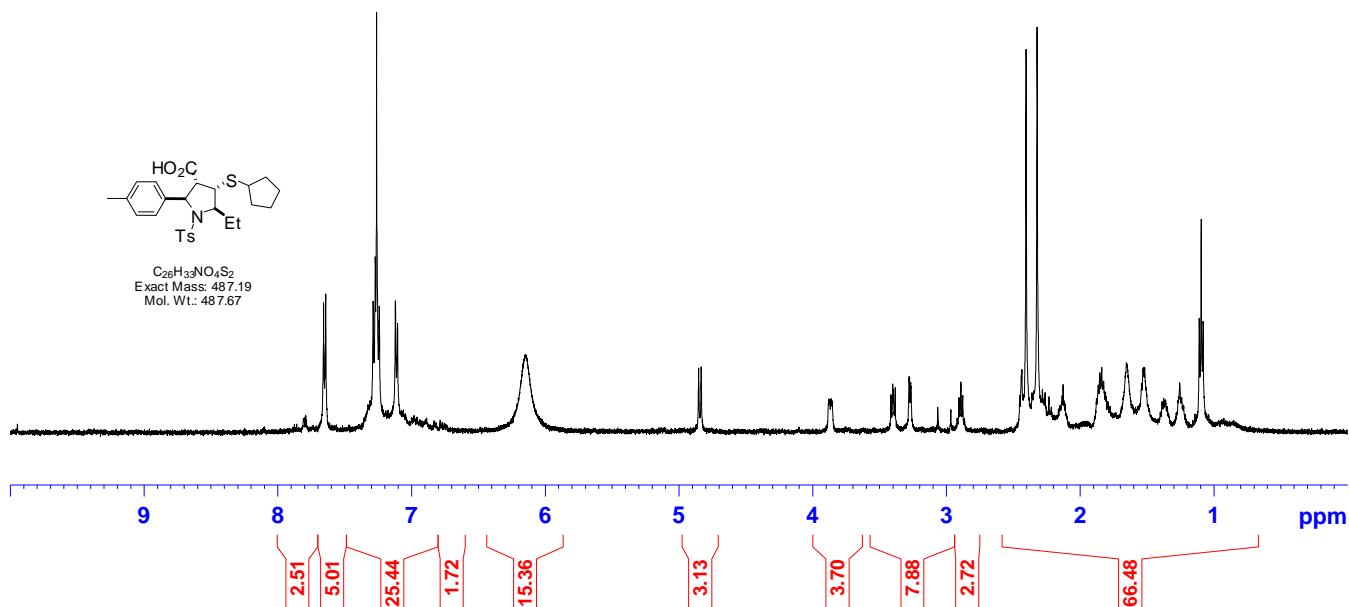
C₂₇H₃₇NO₄S₂
 Exact Mass: 503.22
 Mol. Wt.: 503.72



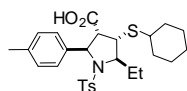
4-(Cyclopentylthio)-5-ethyl-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E28)



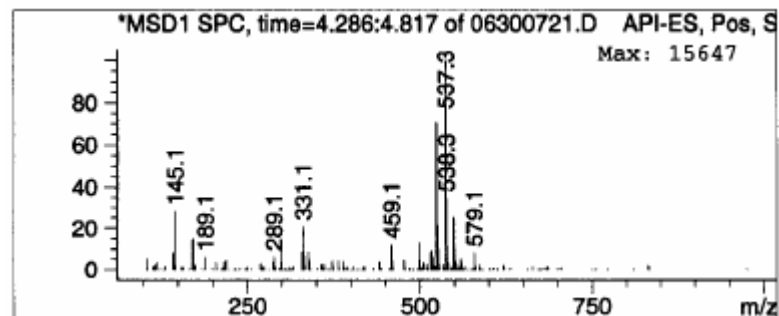
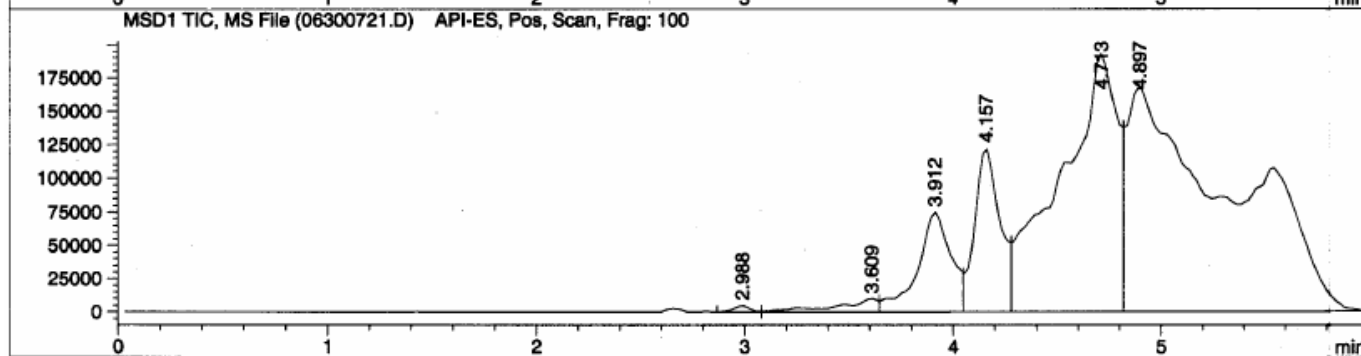
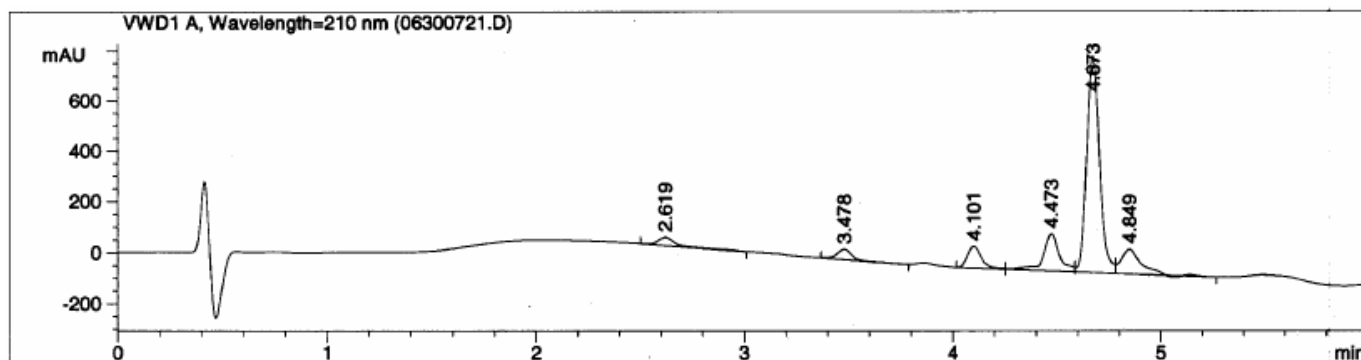
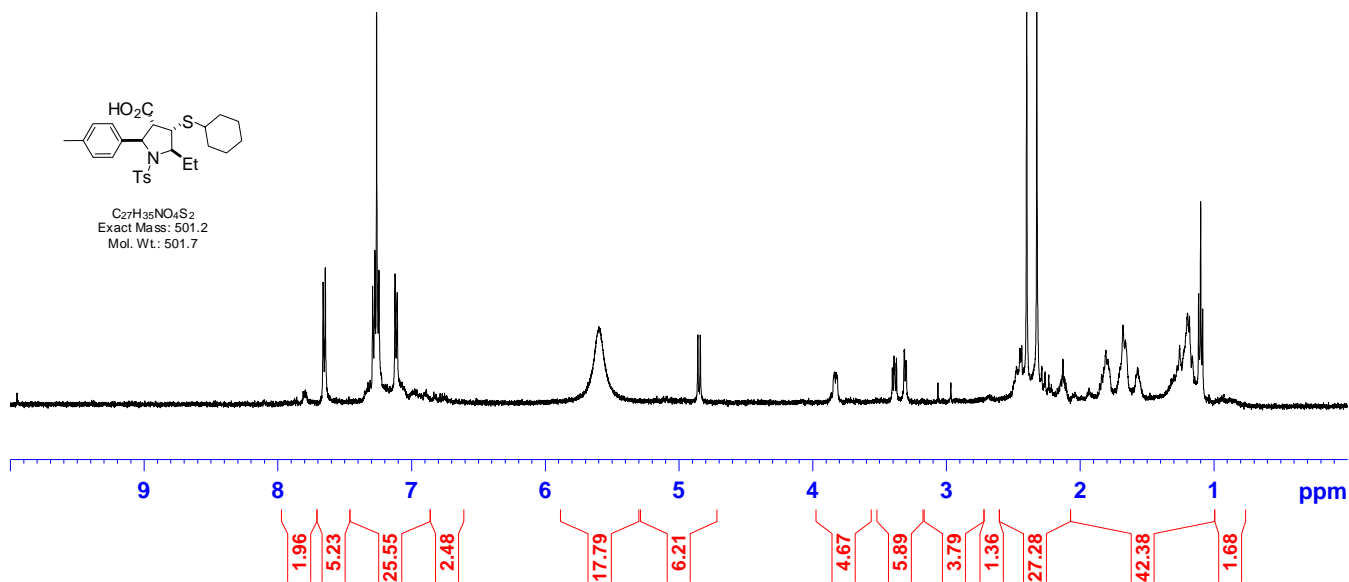
C₂₆H₃₃NO₄S₂
Exact Mass: 487.19
Mol. Wt.: 487.67



4-(Cyclohexylthio)-5-ethyl-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E29)

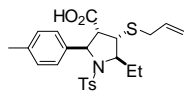


C₂₇H₃₅NO₄S₂
Exact Mass: 501.2
Mol. Wt.: 501.7

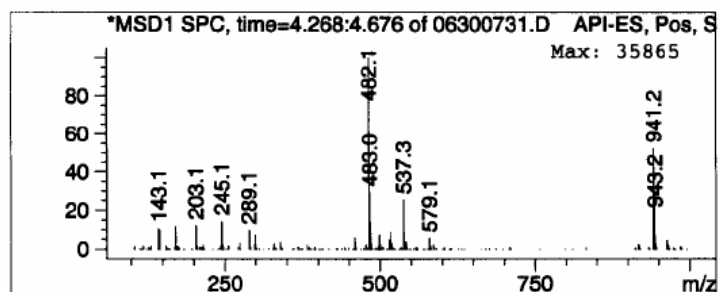
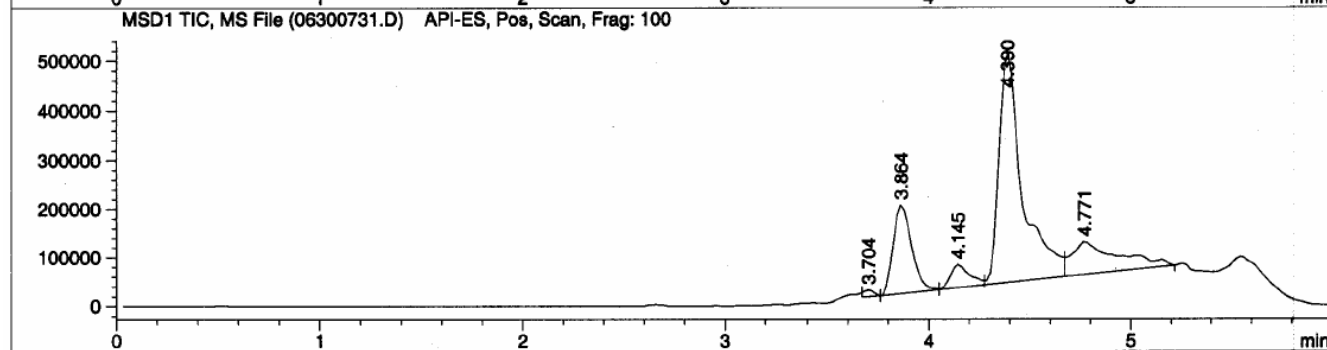
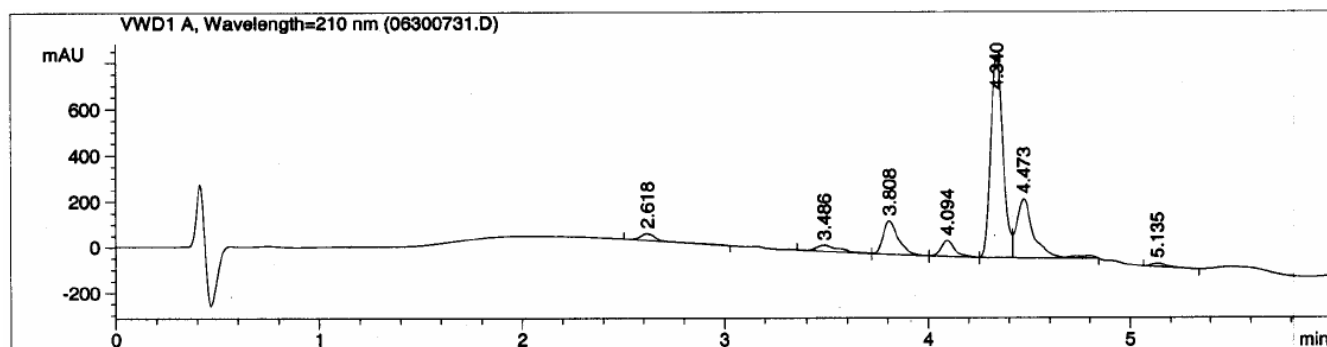
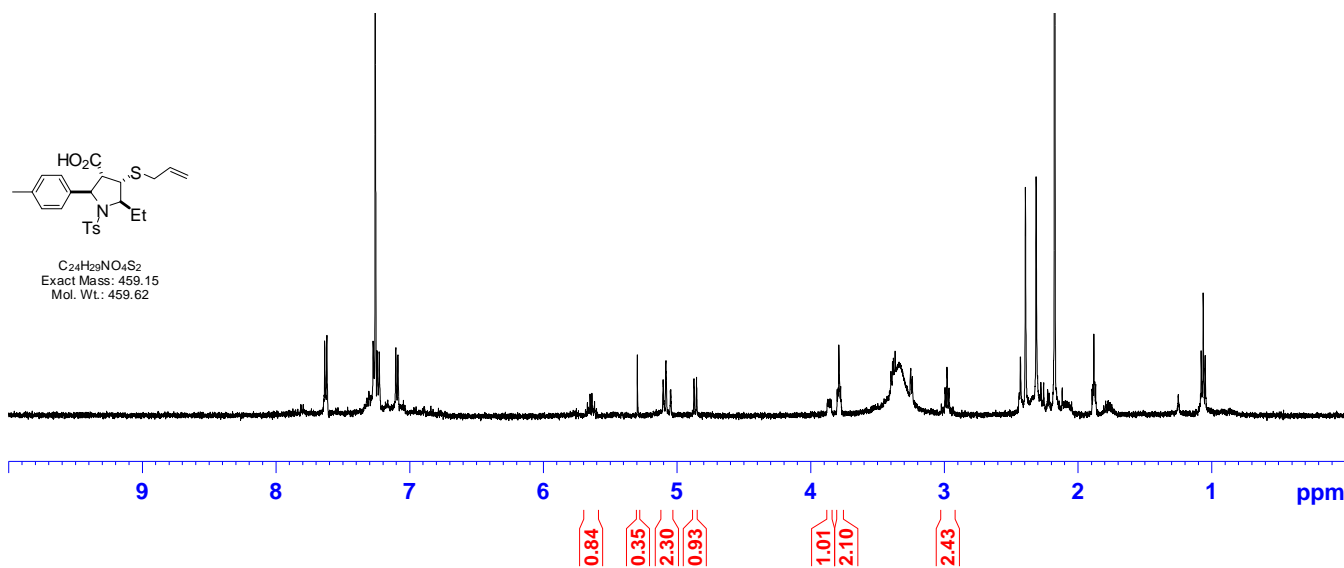


Component 4: Peak at Scan 265.1. Top ions are 524 145 331

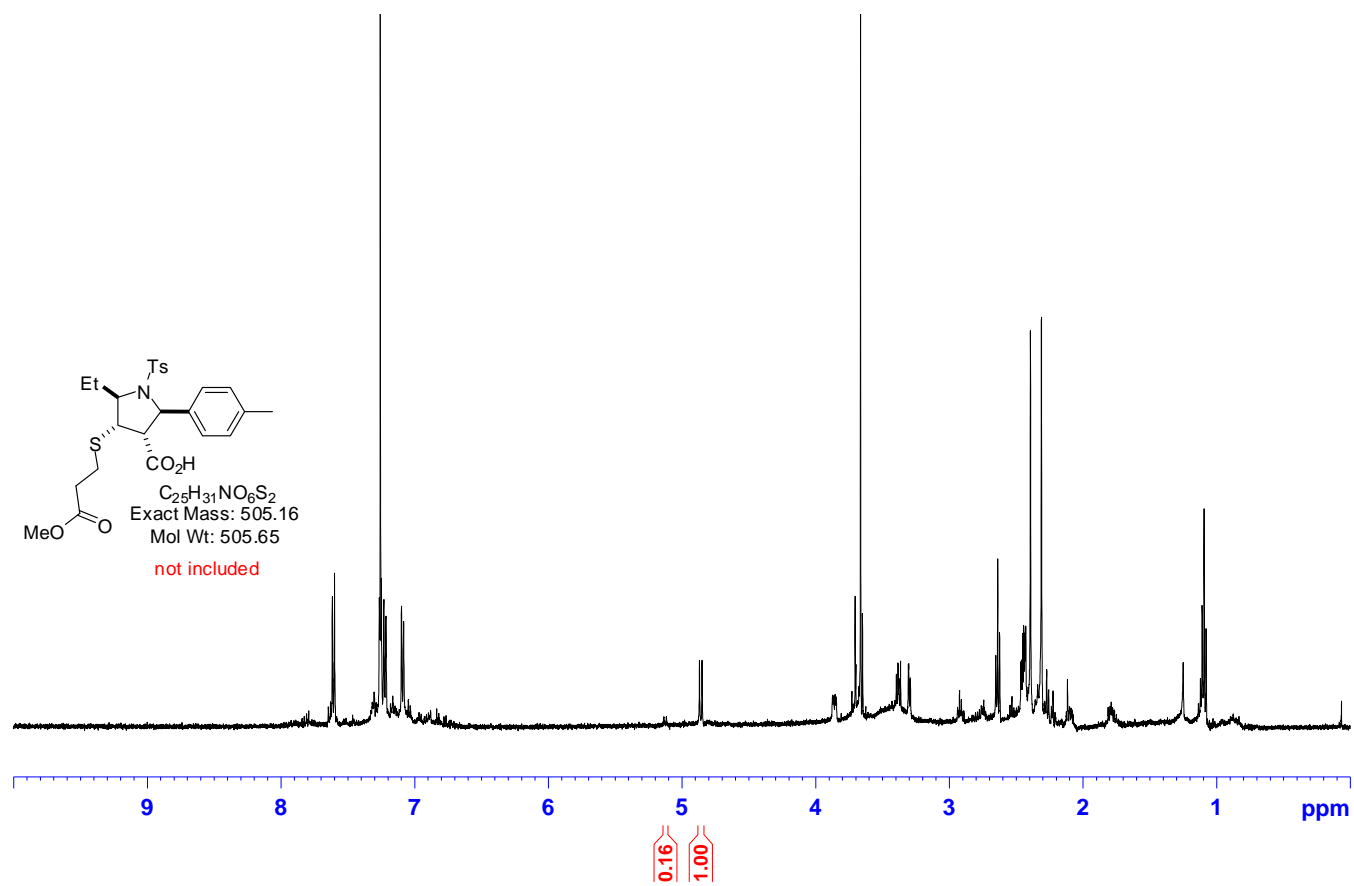
4-(Allylthio)-5-ethyl-2-(*p*-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E30)



C₂₄H₂₉NO₄S₂
Exact Mass: 459.15
Mol. Wt.: 459.62



5-Ethyl-4-(3-methoxy-3-oxopropylthio)-2-p-tolyl-1-tosylpyrrolidine-3-carboxylic acid (A05C02E31)



4-(3-Tert-butoxy-3-oxopropylthio)-5-ethyl-2-(p-tolyl)-1-tosylpyrrolidine-3-carboxylic acid (A05C02E32)

